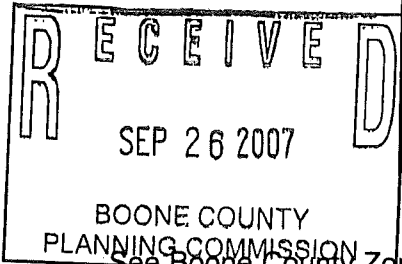


APPLICATION FORM



BOARD OF ADJUSTMENT AND ZONING APPEALS ACTION BOONE COUNTY PLANNING COMMISSION

See Boone County Zoning Regulations

SECTION A (To be completed by applicant)

(Check One)

1. Boone Florence x Walton Union

(Check One)

2. x Conditional Use Permit Variance Appeal Change in Non-Conforming Use

3. Applicant's Name Best Sanitizers, Inc. Phone Number 1-888-225-3267 Fax No. 530-432-0752 Applicant's Address 17320 Penn Valley Drive, P. O. Box 1360 Penn Valley, California 95946

4. Description of Request: Building expansion with new process and additional storage

5. Name of Development North Walton Commerce Park

6. Location of Development 154 Mullen Drive, Walton, Kentucky

7. Acreage Under Review 4 acres

8. Lot Number and Name of Subdivision (if part of a subdivision) Lot #8 and #9 North Walton Commerce Park

9. Owner of Property Best Sanitizers, Inc. Address of Property Owner 17320 Penn Valley Dr. Phone No. 888-225-3267 Penn Valley, California 95946

10. City State Zip

11. Proposed Use(s) on Site New process and storage of new sanitizing products

12. Total Square Footage of Existing and/or Proposed Buildings 30,000 sf 30,000

13. Current Zoning on Property I1

14. Deed Book 902 Page No. 194 Group No. 2080

15. Is the site subject to a zone change? No

16. Have you submitted a Site Plan with this request? Yes

17. Have you submitted a list of adjoining property owners with this request? Yes

18. I, or we, understand and agree that this application and drawing(s) are being filed in accordance with the Boone County Zoning Regulations.

Applicant's Signature: Ed Day

Property Owner's Signature: Ed Day

**BOARD OF ADJUSTMENT AND
ZONING APPEALS ACTION
APPLICATION
PAGE 2**

SECTION B (To be completed by the Boone County Planning Commission Staff)

1. Date Received 9-26-07 Fee Received \$921.00 *# 54751*
2. Is application complete? _____ Yes _____ No
3. Staff Reviewer _____
4. Scheduled Board Action Date _____
5. Board Action:
_____ **Approved**
11/19/07 **Approved with Conditions (See #6)**
_____ **Denial (See #7)**
6. Conditions of Approval: SEE 11/19/07 WBOA MEETING
MINUTES + C.L.U.R.
7. Reasons for Denial: _____

**Boone County Planning Commission
Boone County Administration Building
2950 Washington Street, Room 317
P.O. Box 958
Burlington, Kentucky 41005
(859) 334-2196 - Phone
(859) 334-2264 - Fax
plancom@boonecountyky.org - E-mail
www.boonecountyky.org - Web Page**

NOTE: See Boone County Planning Commission Fee Schedule for Board of Adjustment Fees.

Site Plan Review is not granted by the appropriate Board of Adjustment.

An application consists of all fees paid in full, submitted drawings and a completed application form.

STAFF REPORT

APPLICANT: Best Sanitizers, Inc.
LOCATION: 154 Mullen Drive, Walton, Kentucky
ZONING: Industrial One (I-1)
DATE: November 19, 2007

PROPOSAL

The applicant is requesting a Conditional Use Permit to allow the following:

1. Construct an approximate 30,000 square foot addition on the northwest facade of the building. The proposed addition would increase the gross floor area of the building from 20,000 square feet to 50,000 +/- square feet. The applicant has submitted elevation drawings showing that the proposed addition will match the existing building.
2. Allow additional chemicals to be used and stored on site. The new chemicals are being used to manufacture new disinfectants and detergents. The applicant has submitted a cover letter and Material Safety Data Sheets (MSDS) which provides information about the new products and chemicals that will be used to make them (see attachments).
3. Increase the number of mixing rooms that are permitted in the building. The applicant's cover letter indicates that they would like to expand the size of their current mixing room and add separate mixing rooms for their Acecide and soap products lines.
4. Construct a second curb cut on Mullen Drive and allow additional on-site parking.

SITE HISTORY

- 3/12/01 – The City of Walton approved an Ordinance which rezoned an approximate 115 acre site from Agricultural Estate (A-2) and Rural Suburban (RS) to Industrial One (I-1) to allow light industrial uses. There were no conditions which limited any of the principally permitted I-1 uses.
- 7/28/05 – The Walton Board of Adjustment approved a Conditional Use Permit which allowed the storage and use of chemicals in a hand and surface sanitizing bottling operation. The Board of Adjustment imposed the following conditions with the approval:
1. The building can be approximately 40,000 square feet in area; and
 2. There is to be only one fill (mixing) room on the site.

APPLICABLE REGULATIONS

Article 2, Section 220 of the Boone County Zoning Regulations states that one of the duties of the Board of Adjustment is to grant conditional uses permits as specified by the zoning order.

Article 11, Section 1133 of the Boone County Zoning Regulations permits a business which "store chemicals" as a Conditional Use within the Industrial One (I-1) district.

Article 30, Section 3007 of the Boone County Zoning Regulations states that property involving a conditional use and/or variance shall be subject to the Boone County Planning Commission Site Plan review and approval if required by an individual zoning district.

Article 32, Section 3221 of the Boone County Zoning Regulations states that a business is permitted two curb cuts on a public road when they have 500' of road frontage (provided all access points are in compliance with the applicable sections of the regulations).

Article 33, Section 3322 of the Boone County Zoning Regulations states that parking areas shall be designed in a manner that any vehicle leaving or entering the parking area from a public or private street shall be traveling in a forward motion.

Table 32.5 of the Boone County Zoning Regulations states that the maximum width of a curb cut in an Industrial zone is forty (40) feet.

Article 33, Section 3325 of the Boone County Zoning Regulations states that the parking requirement for this type of business is one stall per 250 square feet of office space, one stall per two employees on the largest manufacturing shift, and one stall per company vehicle that is kept on site.

Article 36, Section 3645 of the Boone County Zoning Regulations states that the required buffer yard between a developing Industrial One (I-1) property and adjoining Agricultural Estate (A-2) property is Buffer Yard D. Buffer Yard D can be reduced to forty (40) feet in width with a 6' tall berm, fence, or wall. Twenty (20) evergreen trees, ten (10) small trees, five (5) large trees and ten (10) large shrubs are required per 100 linear feet.

The Board should evaluate the applicant's request as it relates to the criteria necessary for granting a Conditional Use Permit as stated in Sections 262 & 1133 of the Boone County Zoning Regulations.

Findings listed in Section 262 (Findings for all Conditional Uses):

1. Will be harmonious with and in accordance with the general objectives, or with any specific objective of the County's Comprehensive Plan, a specific corridor plan and/or the zoning order;
2. Will be designed, constructed, operated, and maintained so as to be harmonious and appropriate in appearance with the existing or intended character of the general vicinity and shall not change the essential character of the same area;
3. Will not be hazardous to existing or future neighboring uses;
4. Will be served adequately by essential public facilities and services such as highways, streets, police and fire protection, drainage structures, refuse disposal, water and sewer, and schools; or that the persons or agencies responsible for the establishment of the proposed use shall be able to provide adequately such services;
5. Will not create excessive additional requirements at public cost for public facilities and services and will not be detrimental to the economic welfare of the community;

6. Will not involve uses, activities, process, materials, equipment and conditions of operation that will be detrimental to any persons, property, or the general welfare by reason of excessive production of traffic, noise, smoke, dust, fumes, glare, or odors;
7. Will have vehicular approaches to the property which shall be so designated as not to create an interference with traffic on surrounding public thoroughfares.

Article 11, Section 1133 of the Boone County Zoning Regulations allows the "storage of chemicals" as Conditional Uses in the Industrial One (I-1) district provided that:

- a. the activity is provided primarily in support of and obtains its trade from the employees of the district; or
- b. the activity is of integral relation to the purpose of the district;
- c. the use, building or structure is subservient to and not of scale, nature, trade or other character which will compete, detract or conflict with the purpose and permitted uses of the district; and
- d. provided the arrangement of uses, buildings or structures is mutually compatible with the organization of permitted and accessory uses to be protected in the district.

RELATIONSHIP TO THE COMPREHENSIVE PLAN

The 2005 Boone County Comprehensive Plan's "2030 Future Land Use Plan" designates the site in question for "Industrial" uses. This designation is defined as "manufacturing, wholesale, warehousing, distribution, assembly, mining, and terminal uses."

The following Goals & Objectives from the 2005 Boone County Comprehensive Plan apply to the application:

- A. "Boone County businesses are developed in appropriate locations and are compatible with their surrounding areas" (Business Activity, Goal).
- B. "Effective site placement, architectural design and landscape design for industrial uses shall enable a favorable relationship with adjoining uses. Industrial nuisances such as smoke, dust, noise and odor shall be kept at a minimum, and site development and enforcement shall be carefully coordinated with necessary approvals of other regulatory agencies" (Business Activity, Industrial Objectives).
- C. "Provisions shall be made for proper control of industrial uses, which have processes or make products that could be hazardous to human life and property. (Examples of such products are explosives and flammable or corrosive chemicals). New and existing industrial uses shall comply with federal and state air and water pollution regulations" (Business Activity, Industrial Objectives).

SURROUNDING LAND USES & ZONING

Northeast: 37.5 Acre Farm (A-2/RS)

Northwest: Balance Dynamic Motorcycle Training (I-1)

Southeast: Vacant Lot Owned by Best Sanitizers (I-1)

Southwest: Mullen Drive and Future Lots in North Walton Commerce Park (I-1)

SITE CHARACTERISTICS

The approximate 4 acre site is located on the northeast side of Mullen Drive and is zoned Industrial One (I-1). The property contains a 20,000 square foot office and manufacturing facility, which is mostly constructed of metal siding. A single curb cut provides access to the customer and employee parking lot and existing dock door. A mature deciduous tree line is located on the rear property boundary.

STAFF COMMENTS

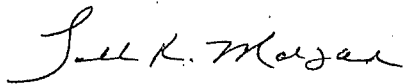
1. The Applicant's cover letter indicates the following:
 - A. The factory currently operates from 6:30 A.M. to 5:30 P.M. and will eventually operate 24 hours a day.
 - B. The Acecide and Parasan products have sharp, pungent, vinegar like odor. A scrubber system will be installed to remove any odor vapors.
 - C. Air emissions will be less than 10 tons a year.
2. The Applicant has been informed that the following Waivers will need be approved by the Zoning Administrator if the Concept Plan is not revised:
 - A. Reduction of the frontage requirement for two curb cuts from 500' to 470';
 - B. Increase the maximum width of industrial curb cut from 40' to 44.85';
 - C. Reduce the 40' landscaping buffer along the rear property line to 23.31 feet.
3. The Boone County Building Department has indicated that they have no preliminary concerns regarding the project. They have indicated that the operation is an H-2 use and that they will conduct a more thorough review when the engineered site plan and building permit application are submitted.
4. Staff has asked a representative from Walton Fire Department to attend the Board of Adjustment meeting. Walton Fire has been given copies of the cover letter, Concept Plan, and Material Safety Data Sheets.
5. Staff has asked the applicant to provide updated floor plans and exterior elevation drawings to the Board of Adjustment meeting.

6. Staff wants to point out that the adjoining 37.5 acre property to the northeast is currently zoned Rural Suburban (RS) and Agricultural Estate (A-2). These zones principally permit single-family detached dwelling units. However, the 2030 Future Land Use Map forecasts that this property will redevelop with "Industrial" uses.
7. Staff would like to make the Board aware that Mullen Drive connects to North Walton Pointe Subdivision. The residential subdivision is 67.82 acres in area and is approved for 216 single-family dwelling units (see attachments).
8. Staff recommends that the Board should analyze the following conditional use permit criteria before voting on the request:
 - A. the use "will be harmonious with and in accordance with the general objectives, or with any specific objective of the County's Comprehensive Plan, a specific corridor plan and/or the zoning order"
 - B. the use "will not be hazardous to existing or future neighboring uses"
 - C. The use "will not involve uses, activities, process, materials, equipment and conditions of operation that will be detrimental to any persons, property, or the general welfare by reason of excessive production of traffic, noise, smoke, dust, fumes, glare, or odors"

Conclusion

KRS 100.237 and Section 220 of the Boone County Zoning Regulations gives the Walton Board of Adjustment and Zoning Appeals the authority to grant the Applicant's request.

Respectfully submitted,



Todd K. Morgan, AICP
Senior Planner, Zoning Services

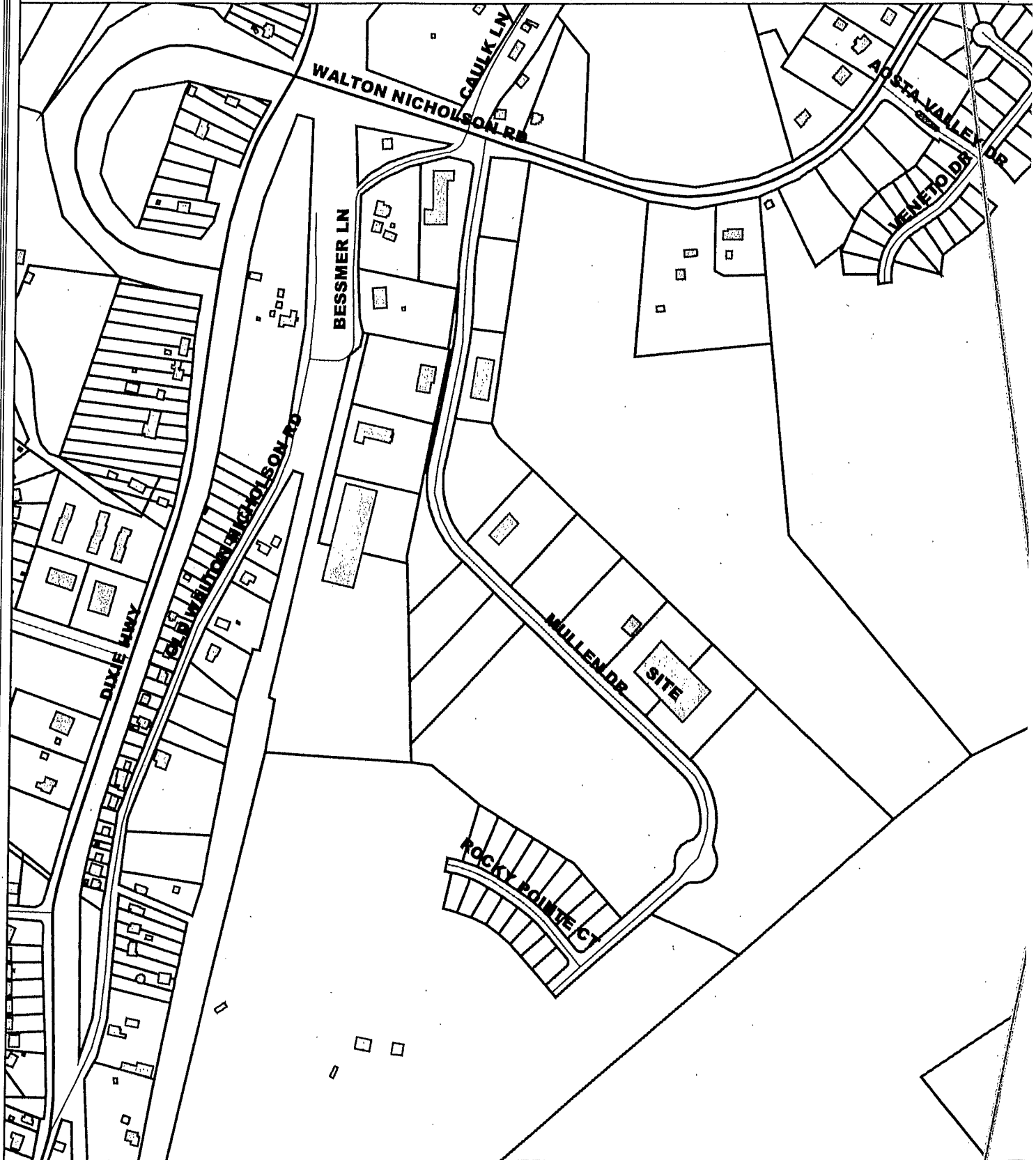
TKM/pr

Attachments

- *Site Vicinity Map
- *Cover Letter & MSDS Sheets From Applicant
- *Concept Development Plan
- *Aerial Map
- *Zoning Map
- *Future Land Use Map
- *Topographical Map
- *Concept Development Plan for 67.82 Acre Parcel
- *Application

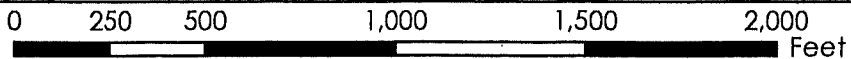
SITE VICINITY MAP

www.boonecountygis.com



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Data used to create this map were compiled from sources that comply with National Map Accuracy Standards. Boone County GIS extends no warranty with respect to the accuracy or content of the information provided by this map. This map should be used for general planning purposes only.



1 inch equals 500 feet



Boone County GIS - Putting Northern Kentucky on the Map

Map Created at 10:28:03 on 10/15/2007

Map Document: Unfilled





BESTSANITIZERSINC.

September 21, 2007

Todd Morgan
Planner
Boone County Planning
Boone County, KY

RE: Factory Expansion Project

Dear Mr. Morgan,

Best Sanitizers is pleased to notify the Planning Commission of the proposed expansion of its factory located at 154 Mullen Drive, Walton, Kentucky. The following is the description of the new facility and details of its operation:

Description:

The added facility will be used for manufacturing, storing and distributing Best Sanitizers existing line of products plus the following new products will be manufactured, stored and distributed in the new addition:

New Products

1.

Product Name: Acecide (Reagent one)

Description: Acecide is a high level disinfectant used to disinfect endoscopes and other medical instruments that otherwise cannot be cleaned and sanitized using conventional methods.

Technical Name: Aqueous based organic peroxide.

Quantities: Acecide will be received into the facility in 450 gallon totes. Initial maximum amount would be 450 gallons gradually increasing in 5 years to 2,000 gallons. Bulk Acecide received would be immediately packaged and stored in sealed containers.

2.

Product Name: Acecide (Reagent two)

Description: Reagent two is a detergent used in the disinfectant process with the Acecide reagent one solution.



BEST SANITIZERS INC.

Technical Name: Aqueous based detergent (soap)

Quantities: Reagent two solution will be blended in the new facility using various ingredients and immediately packaged in sealed containers. Maximum amount would be 450 gallons gradually increasing to 2,000 gallons in five years.

3.

Product Name: Parasan

Description: A BioSide used in the food and beverage industry as a sanitizer or disinfectant.

Technical Name: Peroxyacetic Acid. Classified by NFPA as a Class IV Organic Peroxide

Quantities: Parasan will be received into the facility in 450 gallon totes. Initial maximum amount would be 450 gallons gradually increasing in 5 years to 2,000 gallons. Bulk Parasan received would be immediately packaged and stored in sealed containers.

Existing Products

Best Sanitizers will continue to manufacturer current products as had been stated in the attached letter dated July 21, 2005 with the following expanded quantities.


Flammable Liquid Quantity

Flammable Liquid Quantities are projected to double from the original 32,000 to 64,000 gallons at any one time.

Mixing Room

As per previous requirements we currently have one mixing room for the blending of flammable liquid. Due to the increased demand of our products we wish to expand the size of the current mixing room. In addition we would like to add separate mixing rooms for our Acecide product line and our soap product line. This would also allow us to better comply with the Food and Drug Administrations requirements for manufacturing products.

Hours of Operation



BEST SANITIZERS INC.

Currently, the factory is operational from 6:30 am to 5:30 pm and as stated in the original filing, eventually will move to a 24 hours day.

Odor/Smell

The Acecide and Parasan products have a sharp, pungent, vinegar like odor. A scrubber system will be installed to remove any odor vapors.

Emissions

Air emissions are estimated to be less than the 10 tons/year.

We appreciate the support that we have received from the Walton and Boone County community and the cooperation that we have received from the Chief and staff of the Walton Fire District and are excited about proposed expansion. We look forward to continuing our positive relationship.

Let me know if you require any additional information or clarification.

Sincerely,

Ed Hay
V.P. Operations
Best Sanitizers, Inc.
PH: 859-485-2293 ext 11
Fax 530-432-0752
Email: edhay@bestsanitizer.com

Attachments:

- Letter to BCPC dated July 15, 2005
- MSDS Acecide (Reagent one)
- MSDS Acecide (Reagent two)
- MSDS Parasan BioSide HS 15%
- MSDS Potassium Nitrate- used as a ingredient for Acecide Reagent 2
- MSDS Citric Acid- used as a ingredient for Acecide Reagent 2
- MSDS Trisodium Phosphate- used as a ingredient for Acecide Reagent 2
- MSDS Alpet E3 plus Alcohol Hand Sanitizer Solution
- MSDS Alpet D2 Alcohol Surface Sanitizer Solution
- MSDS Isopropyl Alcohol- used as an ingredient for Alpet E3 and Alpet D2
- MSDS Ethanol- used as an ingredient for Alpet E3

Summary of Expansion:

- 1) Expand current facility on current parcel by 30,000 square feet.

Details:

Acecide manufacturing plant: 10,000 square feet

Purpose: Plant would be used to blend, fill and warehouse in containers of various size a high level disinfectant.

Type of Chemical:

There are three types of chemicals to be manufactured:

- 1) Acecide Reagent 1: Aqueous peracetic acid solution also known as paracetic acid.

A high level disinfectant used for disinfecting sensitive medical instruments such as endoscopes that otherwise cannot be sanitized using conventional methods.

- 2) Acecide Reagent 2: A buffer used with the reagent 1 to prolong the cleaning affects. It is a cleaning agent similar to soap.

- 3) Parasan: Parasan is similar to Reagent 1 except at a higher concentration. This product is used by food manufactures to sanitize food manufacturing equipment and at low concentration used for sanitizing vegetables.

Hazardous Identification:

Both Acecide Reagent 1 and Parasan are classified as Organic Peroxide, NFPA class IV.

Acecide Reagent 2 has no hazardous classification.

Special Consideration:

A class 100,000 clean room for the blending and filling areas

Scrubber to collect any fumes discharged

Mixing room to blend Acecide Reagent 2

No direct connection of waste water to sewer discharge

Office Space Expansion: 2,000 square feet

Additional expansion: 18,000 square feet

Include a 4,000 square feet H-2 classified storage area for added storage of packaged flammable hand sanitizers.

Additional space for Lab and bathrooms.

Balance of space used for warehousing packaging material, bottles, soaps and dispensers.

Modification to existing facility:

Create a positive pressure room in the current alcohol and soap manufacturing area to comply with current guidelines set by the Food and Drug Administration.

Segregate soap manufacturing from alcohol manufacturing area.

Separate mixing area for soap

Expand current alcohol mixing area (future initiative)

Site work

Add second driveway opposite current for better flow of traffic.

Add additional parking space to handle increase in employees

Cost:

Construction: \$2.7 million

Equipment: \$2.8 million

Job Creation:

Summary	
Total New Mangers	6
Current Managers	3
Total Supervisor/Workers/Techs	28
Total Current Staff	23
G Total	60

MATERIAL SAFETY DATA SHEET

BioSide HS 15%®

EPA REGISTRATION #63838-2

ENVIRO TECH CHEMICAL SERVICES, Inc.

MSDS as of 6-13-07

1) PRODUCT AND COMPANY

PRODUCT: BioSide HS 15% aka PERASAN
SYNONYMS: Peracetic Acid, Acetyl Hydroperoxide, Peroxyacetic Acid
REGISTRATIONS: EPA Registration # 63838-2
MANUFACTURER: Enviro Tech Chemical Services, Inc
500 Winmoore Way; Modesto, CA 95358; 209-581-9576
TRANSPORTATION EMERGENCIES: CHEMTREC (US) 800-424-9300

2) COMPOSITION AND HAZARDOUS INGREDIENTS:

Chemical Name	CAS #	Wt%	Exposure Limits
Peroxyacetic Acid	79-21-0	15-16%	
Hydrogen Peroxide	7722-84-1	22-23%	1 ppm (TWA); 1 ppm PEL
Acetic Acid	64-19-7	15-17%	15 ppm STEL; 10 ppm PEL
Water	7732-18-5	Balance	

3) PHYSICAL DATA:

ODOR: Sharp, pungent, vinegar-like odor.
APPEARANCE: Colorless liquid.
PH 10% SOLUTION: <1
PERCENT VOLATILES: 99%+
VAPOR PRESSURE: 22 mm Hg @ 25° C
SOLUBILITY: 100% in water
DENSITY: 9.47 lbs/gal

4) FIRE HAZARD DATA:

FLASH POINT: 200° F (closed cup)
FLAMMABLE LIMITS: N/A
AUTO IGNITION TEMP: 270° C
EXTINGUISHING MEDIA: Water spray, carbon dioxide, foam.
POLYMERIZATION: Will not occur.
FIREFIGHTING PROCEDURES: Use flooding quantities of water only. Use water spray to keep all containers cool. Fight fire from protected or removed distance. Chemical type extinguishers are not very effective. Use proper personal protective equipment and positive pressure self-contained breathing apparatus.
STATIC DISCHARGE: N/A
HAZARDOUS DECOMPOSITION: Oxygen that supports combustion.

5) HEALTH HAZARD DATA:

a) FIRST AID:

EYES: Immediately flush with water for at least 15 minutes, lifting upper and lower eyelids intermittently. See a medical doctor immediately.

SKIN: Remove contaminated clothing and thoroughly wash with soap and water. If irritation occurs and persists, contact a physician.

INGESTION: Rinse mouth with water. Dilute by giving 1 or 2 glasses of water. DO NOT induce vomiting. See medical doctor immediately.

INHALATION: Remove to fresh air. If breathing discomfort occurs and persists, see a medical doctor. If breathing has stopped, give artificial respiration. See medical doctor immediately.

FIRST AID NOTES: This product can be corrosive to skin, eyes, and mucous membranes. Consideration should be given to careful endoscopy as stomach or esophageal burns, perforations or strictures may occur. Careful gastric lavage with an endotracheal tube in place should be considered.

b) **PERSONAL PROTECTIVE EQUIPMENT:**

EYES AND FACE: Use cup type chemical goggles or face shield.

RESPIRATORY: Use approved acid/gas cartridge or canister with full face piece unless breakthrough occurs, then use self contained breathing apparatus.

PROTECTIVE CLOTHING: Heavy rubber or vinyl gloves. Rubber boots, vinyl or rubber protective suit.

6) **REACTIVITY OR STABILITY DATA:**

CONDITIONS TO AVOID: Open flames, elevated temperatures, any source of heat, combustibles such as paper, wood, or leather. Temperatures above 86 F will degrade product, accelerate decomposition, and reduce shelf life.

STABILITY: Product is shelf-stable for up to 1 year when stored at room temperatures and not in direct sunlight.

HAZARDOUS DECOMPOSITION: Degrades giving off acetic acid and oxygen.

INCOMPATIBLE MATERIALS: Dirt, alkali (lye), organics, leather, paper, wood, and heavy metals.

7) **SPILL OR LEAK PROCEDURES:**

Always approach spills from upwind. Small spills may be flushed to an approved sewer line with generous amounts of water. For larger spills, dike well ahead of spill with non-reactive material such as sand. Spill may be neutralized with soda ash (sodium carbonate) broadcasted on surface. Use 1 to 1.5 lb. of soda ash for each gallon of spilled material. The resultant neutralized product will become carbon dioxide and water. Flush material with water and collect for disposal into plastic container. A flush to sewer may be allowed if approved by local authority. Dispose of in accordance with federal, state, or local laws.

Combustible materials should be removed and/or rinsed with water to ensure all residual hydrogen peroxide is removed to the extent possible.

8) **HANDLING AND STORAGE:**

HANDLING: Store drums in upright position only. Empty drums as thoroughly as possible. Triple rinse before disposal. Never return product to original container.

STORAGE: Do not store near reducing agents, fuels, organic material, or other non-compatible materials. Store in a cool, dry, well ventilated area. Avoid temperatures above 86 F. **DO NOT STORE IN DIRECT SUNLIGHT**, or near sources of ignition or heat. Use first in, first out storage management. Containers must be vented.

9) **REGULATORY INFORMATION:**

DOT (Department of Transportation):

DOT MARKING: Organic Peroxide, Type F, Liquid (peroxyacetic acid);

HAZARD CLASS: 5.2 (oxidizer); UN/NA NUMBER: UN 3109

PACKING GROUP: II; SUBSIDIARY LABEL: none

SARA TITLE III SECTION 302: (40 CFR 355)

Listed: (acetic acid), Planning Threshold = 6,500 lbs (as is)

SECTION 302.4 REPORTABLE QUANTITIES (40 CFR 355)

Listed: (acetic acid), Planning Threshold = 6,500 lbs (as is)

SECTION 311 HAZARD CATEGORY (40 CFR 370)

Immediate Health Hazard (Acute)

SECTION 312 THRESHOLD PLANNING QUANTITY (40 CFR 370)

Listed: (acetic acid), Planning Threshold = 6,500 lbs (as is)

SECTION 313 REPORTABLE INGREDIENTS (40 CFR 372)

Listed, Peracetic Acid 15%

CERCLA (40 CFR 302.4)

Listed (Acetic Acid), Category D; RQ = 31,000 lbs (as is)

CANADA: WHMIS

Hazard Class: Class D, Div. 2, Subdiv. B, Class E (Corrosive),
Class C (Oxidizer); Ingredient Disclosure List: Listed.

10) **RATINGS:**

HMIS (Hazardous Materials Identification System)

Health 3, Flammability 1, Reactivity 1, Protection H

NFPA (National Fire Protection Association)

Health 3, Flammability 1, Reactivity 1, Special OX



SARAYA

SARAYA CO., LTD. OSAKA, JAPAN MATERIAL SAFETY DATA SHEET

Product name: ACECIDE (Reagent One)

Effective date: June 6, 2006

Saraya urges each recipient of this Material Safety Data Sheet (hereafter MSDS) to study and review it carefully to become aware of and understand the hazards that are currently known to be associated with the product. The recipient should consider consulting reference material or individuals who are knowledgeable in the fields of ventilation, fire prevention and toxicology, as necessary or appropriate to use and understand the data contained in this MSDS. To promote safe handling of the product, each recipient should notify it's employees and others whom it knows or believes will use the this product of the information in this MSDS and any other information with regards to safety and hazards.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 PRODUCT IDENTIFICATION

Product name ACECIDE (Reagent One)
(Aqueous peracetic acid solution in equilibrium)

Active ingredient

Chemical name Peracetic acid

Synonyms Peroxyacetic acid, Ethaneperoxoic acid, Acetyl hydroperoxide

Chemical formula CH₃COOOH

1.2 COMPANY IDENTIFICATION

SARAYA CO., LTD.
International Trade Division
2-2-8 Yuzato, Higashisumiyoshi-ku
Osaka Prefecture, JAPAN 546-0013
Tel. No.: 81-6-6703-6556
Fax No.: 81-6-6703-4466

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Component	Formula	CAS #	EINECS #	Amount
Peracetic acid	CH ₃ COOOH	79-21-0	201-186-8	5.4 ~ 6.8%
Hydrogen peroxide	H ₂ O ₂	7722-84-1	231-765-0	
Acetic acid	CH ₃ COOH	64-19-7	200-580-7	

3. HAZARDOUS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Appearance Clear, colorless liquid



SARAYA

SARAYA CO., LTD. OSAKA, JAPAN MATERIAL SAFETY DATA SHEET

Product name: ACECID (Reagent One)

Effective date: June 6, 2006

Physical state	Liquid
Odor	Strong characteristic pungent smell similar to acetic acid
Hazards	DANGER! IRRITANT!
Hazard statements	<ol style="list-style-type: none">1. When a peracetic acid solution is contaminated by impurities such as metals, alkaline reagents and/or reducing agents, heat is evolved and rapid decomposition occurs. Oxygen gas is formed and thus venting is required. Tightly sealed containers that do not allow for venting may rupture or explode as a result.2. Keep away from all ignition sources and combustible material.3. Avoid eating, smoking or drinking where the product is handled, processed or stored, because there is a chance that the product will be ingested. Wash hands properly before eating or smoking.4. Use only with adequate ventilation and handle product with caution.

3.2 POTENTIAL HEALTH EFFECTS

Skin contact	Product can irritate the skin and may cause chemical burns.
Eye contact	Contact can irritate and burn the eyes. If left unattended, may lead to permanent damage such as vision impairment or loss of eyesight.
Inhalation	Breathing the vapor or mist of the product can irritate the nose, throat and lungs, causing cough and difficulty in breathing.

4. FIRST AID MEASURES

4.1 SKIN CONTACT

Immediately remove contaminated clothing and shoes, and wash off product completely. If pain persists, seek medical attention. Wash clothing before reuse and thoroughly clean contaminated shoes. If this is not possible, discard contaminated shoes.

4.2 EYE CONTACT

Immediately flush eyes with a copious amount of water, lifting upper and lower eyelids occasionally to assure that no chemical remains. Irrigate with saline solution, cover with sterile bandages, and then seek medical attention. If washing of the eyes is delayed or incomplete, there is a possibility that the eyes will be permanently damaged.

4.3 INHALATION

Remove to fresh air immediately. Perform artificial respiration if not breathing. Get medical attention immediately.



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4.4 INGESTION

Immediately drink plenty of water, milk or raw eggs to dilute chemical. If vomiting occurs, keep head lower than hips to prevent aspiration. Do not induce vomiting or give anything by mouth to an unconscious individual. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

For small regular fires, extinguish with foam, dry powdered chemical, carbon dioxide or water. For large regular fires, flood the area with water. However, if large amounts of organic solvent or oily material are mixed with peracetic acid, use foam, dry powdered chemical or carbon dioxide gas.

5.2 SPECIAL FIRE FIGHTING PROCEDURES

If fire occurs in the vicinity of the product, confirm that the container is cool and then immediately transfer to a safe area. If transfer is not possible, keep the container cool by spraying with water. Use the appropriate fire extinguishers to douse any fires in the immediate vicinity. Do not attempt salvage or cleanup operations until all of the product has cooled completely. The direction of the wind drafts should be taken into consideration, and firefighters should keep themselves at a safe distance from the fire, using protective barriers if possible. The use of automated water cannons should also be considered.

5.3 SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Firefighters should wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin.

5.4 UNUSUAL FIRE AND EXPLOSION HAZARDS

Spontaneous chemical reaction, fire or explosion may occur if the product is mixed with readily oxidizable, organic or flammable material, or chemical accelerants. In addition, oxygen gas is evolved from the decomposition of peracetic acid and hydrogen peroxide and this may act to intensify any existing flames. Highly concentrated forms of peracetic acid are also known to decompose violently at 110°C.



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6. ACCIDENTAL RELEASE MEASURES

6.1 SMALL SPILLS

Dilute and wash away with a large quantity of water.

6.2 LARGE SPILLS

1. The spilled material should be directed to a safe area and runoff containing concentrated peracetic acid should not be allowed to enter the sewers, rivers and streams. The material should be diluted with a large quantity of water and allowed to decompose naturally. Then, it should be disposed as directed.
2. Protective equipment should be worn, and personnel not wearing protective equipment should be restricted from the area until the cleanup is complete. This can be done by surrounding the area with a rope.
3. All ignition sources should be removed from the area.
4. The area should be well ventilated, and the direction of the wind draft should be taken into consideration.
5. The spilled material should not be collected in the original container.

7. HANDLING AND STORAGE

7.1 HANDLING

1. Measures to prevent material spills or splashes should be implemented.
2. The use of open flames in the work area should be avoided.
3. Flammable and combustible material should not be placed in the work area.
4. Once material is taken out of the original container, it should not be returned.
5. If the material is transferred through pipes, it should not be in a state of confinement. Otherwise, there is a chance that an explosion may occur due to gas and vapor buildup.
6. Combustible materials like paper, wood and cloth that come into contact with the product should be washed well with water.
7. Protective equipment that prevent inhalation and contact should be used.

7.2 STORAGE

1. Steps should be taken to prevent impurities from entering the container.
2. Containers that allow for venting should be used. In the case of tank storage, a pipe for venting should be installed.
3. Do not store with flammable and combustible material, or any material that will act to accelerate the decomposition of peracetic acid.



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4. Water faucets should be installed in the storage area that will allow for easy access in case of emergency situations where water is needed to wash away the product..
5. Store in a well ventilated cool area away from direct sunlight. Prevent the temperature of the surrounding area from increasing too much.
6. Keep the storage area locked.

7.3 COMMON PRECAUTION

In handling and storing the product, the utmost care should be taken to avoid the use of materials that will promote the decomposition of peracetic acid. As much as possible, handle and store the product between 0°C and 25°C.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 EXPOSURE LIMITS

	CH ₃ COOOH	H ₂ O ₂	CH ₃ COOH
Japanese Industrial Sanitation Association (1992)	None	None	10ppm
ACGIH (1994) TWA	None	1ppm	10ppm
ACGIH (1994) STEL	None	2ppm	15ppm

8.2 PERSONAL PROTECTION

Respiratory protection: If necessary, use a self-contained breathing apparatus.

Ventilation: General (mechanical) room ventilation should be adequate if used in equipment or devices that are closed or have only a small portion exposed to the atmosphere. Special, local ventilation (for example, a chemical fume hood) is needed at points where gas and vapors are expected to escape to the workplace air.

Eye protection: Safety goggles

Protective gloves: Chemical resistant gloves

Other protective equipment: Long boots and plastic apron. Avoid using protective equipment that are made from natural leather. Safety showers and eye baths should be installed and their locations should be clearly labeled for easy recognition.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Description: Aqueous peracetic acid solution in equilibrium
Physical state: Liquid
Appearance: Clear, colorless
Odor: Strong, characteristic pungent smell similar to acetic acid
Specific gravity at 20°C: 1.11
pH value: 2.9 (when diluted 100-fold)
Viscosity at 20°C: 0.513 cst
Solubility in water: Miscible with water in all proportions
Flash point: None
Ignition point: None

10. STABILITY AND REACTIVITY

1. While the peracetic acid solution itself is not flammable, the heat from open flames promote the decomposition of peracetic acid. This will result in the production of oxygen gas which may then act to further intensify any existing flames.
2. While the peracetic acid solution is usually stable, contamination by impurities such as metals, alkaline reagents and/or reducing agents will result in rapid decomposition of both peracetic acid and hydrogen peroxide. In the process, heat is evolved and oxygen gas is formed. Tightly sealed containers that do not allow for venting may rupture or explode as a result.

11. TOXICOLOGICAL INFORMATION

11.1 ACUTE TOXICITY

	Method	Test animal	Toxicity value
Acecide Reagent One:	Peroral	Male and female rat	LD ₅₀ > 2600 mg/kg

11.2 MUTAGENICITY

Reverse mutation test:	Direct method	Positive results
	Metabolic activity method	Negative results
Chromosomal aberration test:	Direct method	Positive results
	Metabolic activity method	Negative results
Micronucleus test:	Rat	Negative results



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12. ECOLOGICAL CONSIDERATIONS

The effect of the material on bacteria in activated sludge has been investigated. It was concluded that if the material is not adjusted to a neutral pH, then at peracetic acid concentrations of 0.001% and below there will be no effect on the activated sludge, but at peracetic acid concentrations greater than 0.001% there will be a negative influence on the activated sludge. If the pH of the solution is made neutral in nature, then the effect on microbacteria will be minimal. In actual use conditions, Acecide will not flow into the septic tank by itself undiluted. A greater amount of water is used by hospitals and medical institutions for other purposes, and the waste fluid from these other uses will mix with Acecide, effectively diluting the peracetic acid by the time it reaches the septic tank

13. DISPOSAL CONSIDERATIONS

1. Before disposal, check to see if the wastewater conforms to the local, state and national standards (for pH, BOD, COD and so on).
2. A large amount of concentrated peracetic acid solution dumped into a wastewater treatment plant may cause problems and thus, the following steps should be taken:
 - a) Dilute the solution before disposal.
 - b) Mix with alkaline materials to neutralize and decompose peracetic acid and hydrogen peroxide.
 - c) Decompose peracetic acid and hydrogen peroxide by adding reducing agents.

14. TRANSPORT INFORMATION

UN risk class 5.1
UN number 3098

1. Label the containers in accordance with all transport and labeling regulations.
2. The transporting company should be informed of all the hazards and emergency measures of the product.
3. Confirm that there is no leakage and spillage. Take suitable measures to stabilize the stacked containers and prevent the stacked containers from falling, tumbling down or otherwise being damaged.
4. Avoid direct sunlight. Exposure to direct sunlight causes an increase in temperature which promotes decomposition.
5. Do not stack the containers sideways, and do not stack more than 4 layers vertically.
6. Avoid contact with materials that can promote decomposition.
7. Do not transport with combustible and flammable material.



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8. As much as possible, transport the product between 0°C and 25°C.

15. REGULATORY INFORMATION

It is the responsibility of the user to know and comply with all relevant rules, regulations and laws in the local, state, national and international level relating to the product being used.

16. OTHER INFORMATION

Disclaimer

1. Any of the above information may be changed without notice.
2. This document is complete and thorough to the best of our knowledge. This document is provided to assist in the proper and suitable use of the product, not to guarantee the safety of the products.
3. As with all chemical compounds, at the present time there are some unknown factors in the product.
4. Use the product according to its specifications and instructions, and use it properly.



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Saraya urges each recipient of this Material Safety Data Sheet (hereafter, MSDS) to study and review it carefully to become aware of and understand the hazards that are currently known to be associated with the product. The recipient should consider consulting reference material or individuals who are knowledgeable in the fields of safety engineering, ventilation, fire prevention and toxicology, as necessary or appropriate to use and understand the data contained in this MSDS. To promote safe handling of the product, each recipient should notify its employees, agents, contractors, customers and others whom it knows or believes will use the this product of the information in this MSDS and any other information with regards to safety and hazards.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 PRODUCT IDENTIFICATION

Product name	ACECIDE (Reagent Two)
Classification	Mixture
Components	Buffers Metal sequestrants (Chelating agents) Corrosion inhibitors Solvents pH adjusting agent
Chemical names	Dipotassium hydrogen phosphate Trisodium phosphate, anhydrous Orthophosphoric acid 1-hydroxyethylidene-1,1-diphosphonic acid, tetrasodium salt (HEDP-4Na) Tetrapotassium pyrophosphate Potassium nitrate Benzotriazole (1,2,3-benzotriazole) Propylene glycol (1,2-propanediol) Purified water Potassium hydroxide

1.2 COMPANY IDENTIFICATION

SARAYA CO., LTD.

2-2-8 Yuzato, Higashisumiyoshi-ku, Osaka Prefecture, JAPAN 546-0013

1.3 CONTACT NUMBERS

International Trade Division
Phone: 81-6-6703-6556 / 6336
Fax: 81-6-6703-4466

Biochemical Research Laboratory
Phone: 81-729-77-8000
Fax: 81-729-77-2224



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2. COMPOSITION INFORMATION

Function	Chemical Formula	CAS No.	UN Risk Class & No.	Amount
Buffer	K_2HPO_4	7758-11-4	Not applicable	< 5%
Buffer	Na_3PO_4	7601-54-9	Not applicable	< 5%
Buffer	H_3PO_4	7664-38-2	Class 8, 1805	< 1%
Chelating agent	$Na_4C_2H_4O_7P_2$	3794-83-0	Not applicable	< 5%
Chelating agent	$K_4P_2O_7$	7320-34-5	Not applicable	< 5%
Al corrosion inhibitor	KNO_3	7757-79-1	Class 5.1, 1486	< 1%
Brass, Cu corrosion inhibitor	$C_6H_5N_3$	95-14-7	Not applicable	< 5%
Solvent	$CH_3CH(OH)CH_2OH$	57-55-6	Not applicable	< 5%
Solvent	H_2O	7732-18-5	Not applicable	> 80%
pH adjusting agent	KOH	1310-58-3	Class 8, 1818	< 1%

3. HAZARDS IDENTIFICATION

Appearance	Clear, colorless liquid
Odor	Characteristic medicinal smell
Hazards	None known.

4. FIRST AID PROCEDURES

4.1 SKIN CONTACT

Use water to wash away product completely. If irritation is felt, seek medical attention.

4.2 EYE CONTACT

Immediately flush eyes with copious amounts of water, lifting upper and lower eyelids occasionally to assure that no chemical remains. If irritation is felt, seek medical attention.

4.3 INGESTION

Immediately drink plenty of water, milk or raw eggs to dilute chemical. Do not induce vomiting or give anything by mouth to an unconscious individual. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

Does not normally burn. If fire does occur because of the surrounding environment, extinguish with foam, dry powdered chemical or carbon dioxide.



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6. ACCIDENTAL RELEASE MEASURES

Wipe small spills with a rag. For large spills, collect liquid in a covered container.

7. HANDLING AND STORAGE

7.1 HANDLING

1. Do not use for hand antisepsis or skin disinfection.
2. Use rubber gloves when handling the material, and care should be taken so that the material does not enter the eyes.
3. When opening the caps there is a possibility that the material may spill. Before moving the container, make sure that it is tightly capped. Otherwise, the material may spill and come in contact with the eyes and skin.
4. Once material is taken out of the original container, it should not be returned.
5. When material is transferred to another container, use plastic containers designed for that purpose. Make sure that the name, uses and warnings of the product are clearly labeled.
6. Do not use for purposes other than those prescribed.

7.2 STORAGE

Keep away from children.

As much as possible, handle and store the product between 0°C and 25°C.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 EXPOSURE LIMITS

Chemical Formula	Japan Society for Occupational Health	ACGIH (2002)	OSHA (1989)
H ₃ PO ₄	1 mg/m ³ (1990)	TWA: 1 mg/m ³ , STEL: 3 mg/m ³	PEL TWA: 1 mg/m ³ , STEL: 3 mg/m ³
KOH	2 mg/m ³ (1978)	CEIL: 2 mg/m ³	PEL TWA: 2 mg/m ³

Note: though the OEL values for phosphoric acid and potassium hydroxide are tabulated above, they compose less than 1% of the solution and will be further diluted upon use. Moreover, they do not exist in their individual forms once the solution is well blended. Thus, Acecide Reagent 2 is not believed to be an inhalation hazard.

8.2 PERSONAL PROTECTION

Protective gloves: Rubber gloves and the like should be worn.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Appearance: Clear, colorless
Odor: Characteristic smell of raw ingredients
Specific gravity: Roughly 1.09 at 20°C
pH value: 8.5 ~ 9.5

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions. Prolonged cooling in subzero temperatures may cause precipitation or condensation of some of the components. Note however that the precipitate will readily dissolve when brought to normal room temperatures.

11. TOXICOLOGICAL INFORMATION

11.1 ACUTE TOXICITY

Component	Method	Test subject	Toxicity value
Trisodium phosphate:	Peroral	Rat	LD ₅₀ = 1700 mg/kg
	Peroral	Mouse	LD ₅₀ = 2380 mg/kg
	Peroral	Rabbit	LD ₅₀ = 2500 mg/kg
Phosphoric acid:	Peroral	Rat	LD ₅₀ = 1530 mg/kg
	Percutaneous	Rabbit	LD ₅₀ = 2740 mg/kg
	Inhalation	Human	TCL ₀ = 100 mg/kg
Tetrapotassium pyrophosphate:	Peroral	Rat	LD ₅₀ = 2980 mg/kg
	Percutaneous	Mouse	LD ₅₀ > 7940 mg/kg
Potassium nitrate:	Peroral	Rabbit	LD ₅₀ = 3015 mg/kg
HEDP-4Na:		Rat	LD ₅₀ > 2000 mg/kg
Benzotriazole:	Peroral	Mouse	LD ₅₀ = 1000 mg/kg
Propylene glycol:	Peroral	Rat	LD ₅₀ = 30000 mg/kg
	Peroral	Mouse	LD ₅₀ = 23900 ~ 31800 mg/kg
	Peroral	Guinea pigs	LD ₅₀ = 18400 ~ 19600 mg/kg
	Peroral	Rabbits	LD ₅₀ = 18000 mg/kg
	Peroral	Dogs	LD ₅₀ = 19000 mg/kg
Potassium hydroxide:	Peroral	Rat	LD ₅₀ = 273 mg/kg



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11.2 SUB-ACUTE TOXICITY/REPEATED EXPOSURES

Propylene glycol: Peroral Male and female rats were fed with propylene glycol at a level of 6250, 12500 and 5000 ppm for a period of two years and no significant ill effects based upon mortality, body weight, food consumption, hematology, urinary cell excretion, urinary-concentrating ability of the kidneys, organ weights and histopathology.

11.3 CHRONIC TOXICITY/PHYSIOLOGIC EFFECTS IN HUMANS

Phosphoric acid: Inhalation $TCL_0 = 100$ mg/kg
Potassium nitrate: Peroral A large amount (10g ~ 30g) ingested may cause gastrointestinal inflammation, bloody vomit and excreta, and a weakening of the pulse. This may result in convulsions and heart failure.

11.4 CARCINOGENICITY

Propylene glycol: Peroral No development of tumors have been reported in the lifetime dietary feeding studies that were performed on rats.
Percutaneous Propylene glycol was applied to the skin of rats 3 times a week for a period of 14 months but no formation of tumors was observed. These findings were confirmed when propylene glycol at undiluted strength, and as a 50% and a 10% solution in acetone was applied to the skin of mice over the course of their lifetime and no signs of tumor formation was observed.

11.5 MUTAGENICITY

Propylene glycol: Ames test Negative results
Chromosomal aberration test Positive results

11.6 REPRODUCTIVE HAZARDS

None known.



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12. ECOLOGICAL INFORMATION

12.1 Japan Regulations

None of the 77 chemical compounds like nonyl phenyl ethers that are classified by the Japanese Environmental Protection Agency as endocrine disruptors are contained in this product.

12.2 Toxicity to Fish:

Phosphoric acid:	Gambusia affinis	TL _m = 138 mg (static method)
Potassium nitrate:		LC ₅₀ = 162 mg/L
Potassium hydroxide:	Mosquito fish	LC ₅₀ = 80 mg/L (24 hours)

13. DISPOSAL CONSIDERATIONS

1. The product is alkaline in nature and contains phosphates and other ingredients that may be regulated. Thus, it is necessary to check and confirm whether or not the wastewater conforms to the local, state and national standards for pH, BOD, COD, phosphate content, and so on before draining.
2. A large amount of product dumped into a wastewater treatment plant may cause problems and thus, the solution should be diluted prior to disposal.

14. TRANSPORT INFORMATION

Take suitable measures to prevent product leakage, spillage or soakage.

Since the product is banded together with Acecide Reagent One, as much as possible transport the product between 0°C and 25°C.

15. REGULATORY INFORMATION

It is the responsibility of the user to know and comply with all relevant rules, regulations and laws in the local, state, national and international level relating to the product being used.

16. OTHER INFORMATION

Reference material:

Guide to Occupational Exposure Values, ACGIH (2002).

Hazardous Substance Data Bank (HSDB), National Library of Medicine (2002).

MSDS-CCOHS (Material Safety Data Sheets from the Canadian Center for Occupational Health and Safety).



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MSDS for Anhydrous trisodium phosphate, Taihei Kagaku Sangyo K. K. (1999).
MSDS for BTZ (Benzotriazole), Kyodo Pharmaceuticals Co., Ltd. (1995).

Reference material (continued):

MSDS for Dipotassium hydrogen phosphate, Mitejima Chemical Co., Ltd. (2000).
MSDS for Phosphoric acid, Taihei Kagaku Sangyo K. K. (1999).
MSDS for Potassium hydroxide, Tokyo Ohka Kogyo Co., Ltd. (2000).
MSDS for Potassium nitrate, Sigma Aldrich Japan Co., Ltd. (2001).
MSDS for Potassium pyrophosphate, Taihei Kagaku Sangyo K. K. (1999).
MSDS for Propylene glycol, Mitsui Takeda Chemical Co., Ltd. (2001).
MSDS for Turpinal 4NL (HEDP-4Na), Cognis Japan, Co., Ltd. (2000).
Occupational Exposure Limits, Japan Society for Occupational Health (2002).
Patty: Industrial Hygiene and Technology, 3rd Revised Edition (1982).
Registry of Toxic Effects of Chemical Substances (RTECS), The National Institute for Occupational Safety and Health (NIOSH) (2000).
Toxicological Evaluation of Certain Food Additives, WHO Food Additives Series (1982).

Disclaimer

1. Any of the above information may be changed without notice.
2. This document is complete and thorough to the best of our knowledge. This document is provided to assist in the proper and suitable use of the product, not to guarantee the safety of the products.
3. As with all chemical compounds, at the present time there are some unknown factors in the product.
4. Use the product properly according to instructions and specifications.



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Product name: ACECIDE (Reagent Two)

Effective date: June 6, 2006

**ALSOFT Healthcare Personnel Handwash
MATERIAL SAFETY DATA SHEET**

1. PRODUCT IDENTIFICATION

Synonym: Hard Sanitizer
Chemical Family: Ethanol-quaternary-glycerol-water blend
Manufactured For: BEST SANITIZERS, Inc.
P.O. Box 1360, 17320 Penn Valley Drive
Penn Valley, Ca 95946

Emergency Information: CHEMTREC toll-free, 24-hour emergency telephone number, 800-424-9300 or Best Sanitizers 1 (888) 225-3267, 8-5 Pacific Standard Time

Other Information: US patent No. 4,870,108,

Precautions: Flammable. Keep away from high heat, sparks, flame and all other ignition sources. May be harmful or fatal if swallowed. Use with adequate ventilation. Avoid prolonged breathing of vapor. Avoid contact with eyes or mucous membranes where prolonged contact causes irritation.

Date Revised: 5 June 2007

2. HAZARDOUS INGREDIENTS

Chemical Names	CAS Numbers	Percent*	ACGIH TLV	Exposure Limits In Air (ppm)	
				OSHA PEL	Other (specify)
Ethanol (SDA 23A)	64-17-5	70-80	1500	1500	
Benzalkonium-Cl	68424-85-1	0.08-0.12			
Other non-hazardous ingredients		20-30			
TOTAL		100.00			

*Not a required category

3. PHYSICAL PROPERTIES

Vapor Density:	NA	Physical State:	Clear liquid
Vapor Pressure:	NA	Color:	Clear
Specific Gravity:	0.87	Odor:	Alcohol odor
Melting Point:	NA	Miscibility:	100% in water
Boiling Point:	83C	Stability:	>5 years
Viscosity:	non-viscous	Corrosion:	non-corrosive

Does not stain skin, fabrics, plastics, metals, glass, formica.

How To Detect This Substance: Mild alcoholic odor

4. FIRE AND EXPLOSION

Flash point: 56.3 F Closed Cup

Auto-ignition temperature: >685 F

Flammable limits in air, volume %: lower 5.5; upper 15.

NFPA Rating: Health (0), Flammability (3), Physical Hazard/ Instability (1)

FIRE FIGHTING PROCEDURES: Use dry chemical, "alcohol foam", or carbon dioxide. Water may be ineffective, but water should be used to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to protect persons attempting to stop a leak. Water may be used to flush and dilute spills to nonflammable mixtures.

5. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure:

INHALATION: Exposure to over 1500 ppm Ethanol may cause headache, drowsiness, lassitude loss of appetite and inability to concentrate. May cause irritation of the throat.

SWALLOWED: Can cause depression of central nervous system, nausea, vomiting, diarrhea.

EYE CONTACT: Can cause eye irritation (stinging sensation) and tear production. Redness of conjunctiva may occur.

SKIN CONTACT: Causes no skin irritation if used as directed. Glycerol content prevents defatting of skin.

Excessive, continuous exposure for a long period of time may cause defatting or drying of skin. Rate of absorption of active ingredients through skin or the effects thereof are unknown.

INGESTION: Can cause depression of central nervous system, nausea, vomiting, and diarrhea.

HEALTH EFFECTS FROM EXPOSURE

ACUTE/CHRONIC: No special acute or chronic effects or risks are expected from usage as directed on label. Brief, repeated daily use as a skin antiseptic is not harmful and may be beneficial in aiding the healing of skin damaged by excessive, daily handwashing with soaps and detergents as well as skin affected by bacterial, viral or fungal infections. Brief contact with eyes, conjunctiva or other mucous membranes may cause temporary irritation. Ingestion will cause irritation of throat and esophagus and may cause mental or physical disabilities associated with alcohol intoxication.

FIRST AID, EMERGENCY PROCEDURES

EYE CONTACT: Immediately flush affected area with plenty of cool water for at least 15 minutes. GET MEDICAL ATTENTION IMMEDIATELY.

INHALATION: Immediately remove victim to fresh air. If victim has stopped breathing, give artificial respiration, preferably mouth-to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION: If victim is conscious and able to swallow, have victim drink water or milk to dilute. Never give victim anything by mouth if victim is unconscious or having convulsions. CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. Induce vomiting only if advised by physician or poison control center. SUSPECTED CANCER AGENT?

No. This product's ingredients are not found in Federal OSHA, NTP or IARC lists.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE None known when used as directed.

6. REACTIVITY DATA

STABILITY: Stable at room temperature for at least 5 years in a tightly closed container.

CONDITIONS AND MATERIALS TO AVOID: Contact with acetyl chloride and a wide range of strong oxidizing agents which may react violently.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide can form upon incomplete combustion.

HAZARDOUS POLYMERIZATION: None likely.

7. SPILL, LEAK AND DISPOSAL PROCEDURES

ENVIRONMENTAL PRECAUTIONS: Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

SPILL OR LEAK PROCEDURES: In case of large spills, wear appropriate respiratory protection. Eliminate possible ignition sources. Contain spilled material. Transfer to secure containers. Where necessary, collect spilled product using absorbent media. Dilute spill with water and directly flow to any available sanitary drain. In the event of an uncontrolled release of this product, the user should determine if the release is reportable under applicable laws and regulations.

WASTE DISPOSAL: All recovered product may be dispensed along with water through normal sanitary sewage systems in gradual releases.

Note: Dispose of all wastes in accordance with federal, state and local regulations.

8. SPECIAL HANDLING INFORMATION

VENTILATION: Adequate ventilation should be available for all uses of this product.

RESPIRATORY PROTECTION: Where exposure is likely to exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. For normal use of product as a skin antiseptic no respirators are deemed necessary.

EYE PROTECTION: Contact of product with the eyes is expected or anticipated in the normal use; however, if there is a possibility of splashing or other means of contact with eyes, chemical safety goggles meeting the specifications of ANSI Standard Z87. 1 should be worn.

GLOVES OR OTHER PROTECTIVE CLOTHING: No protective gloves or clothing are deemed necessary for normal application of product as a skin antiseptic.

STORAGE: Store product in cool place away from areas of high heat, flames or potential sparks. Empty containers may be discarded in trash after rinsing with water.

SHIPPING DESCRIPTION: ETHANOL, 3, UN1170, PGII For bottles one liter or less ORMD

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION: ALPET E3 PLUS MODIFIED

Chemical Family: Ethanol-lauricidin-glycerol-water blend
Manufactured For: BEST SANITIZERS, Inc.
P.O. Box 1360, 17320 Penn Valley Drive
Penn Valley, Ca 95946

Emergency Information: CHEMTREC toll-free, 24-hour emergency telephone number, 800-424-9300 or Best Sanitizers 1 (888) 225-3267 8-5, Pacific Standard Time

Other Information:

Precautions: Flammable. Keep away from high heat, sparks, flame and all other ignition sources. May be harmful or fatal if swallowed. Use with adequate ventilation. Avoid prolonged breathing of vapor. Avoid contact with eyes or mucous membranes where prolonged contact causes irritation.

Date Revised: 21 June 2007

2. HAZARDOUS INGREDIENTS

Chemical Names	CAS Numbers	Percent*	ACGIH TLV	Exposure Limits In Air (ppm)		
				OSHA PEL	Other (specify)	
Ethanol	64-17-5	66-76%	1500	1500		
Isopropyl Alcohol	67-63-0	5-9%	400	400		
Other non-hazardous ingredients		15-29%				
TOTAL		100.00				

*Not a required category

3. PHYSICAL PROPERTIES

Vapor Density:	NA	Physical State:	Clear viscous liquid
Vapor Pressure:	NA	Color:	Clear
Specific Gravity:	0.87	Odor:	Alcohol odor
Melting Point:	NA	Miscibility:	100% in water
Boiling Point:	83C	Stability:	>5 years
Viscosity:	non-viscous	Corrosion:	non-corrosive

Does not stain skin, fabrics, plastics, metals, glass, formica.

How To Detect This Substance: Mild alcoholic odor

4. FIRE AND EXPLOSION

Flash point: 70°F Tag Closed Cup

Auto-ignition temperature: >685 F

Flammable limits in air, volume %: lower 5.5; upper 15.

NFPA Rating: Health (1), Fire (3), Reactivity (0) (Does not apply to exposure hazards other than during a fire.)

FIRE FIGHTING PROCEDURES: Use dry chemical, "alcohol foam", or carbon dioxide. Water may be ineffective, but water should be used to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to protect persons attempting to stop a leak.

Water may be used to flush and dilute spills to nonflammable mixtures.

5. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure:

INHALATION: Exposure to over 1500 ppm may cause headache, drowsiness, lassitude, loss of appetite and inability to concentrate. May cause irritation of the throat.

SWALLOWED: Can Cause depression of central nervous system, nausea, vomiting, diarrhea.

EYE CONTACT: Can cause eye irritation (stinging sensation) and tear production. Redness of conjunctiva may occur.

SKIN CONTACT: Causes no skin irritation if used as directed. Glycerol content prevents defatting of skin.

Excessive, continuous exposure for a long period of time may cause defatting or drying of skin. Rate of absorption of active ingredients through skin or the effects there of are unknown.

INGESTION: Can cause depression of central nervous system, nausea, vomiting, and diarrhea.

HEALTH EFFECTS FROM EXPOSURE

ACUTE/CHRONIC: No special acute or chronic effects or risks are expected from usage as directed on label. Brief, repeated daily use as a skin antiseptic is not harmful and may be beneficial in aiding the healing of skin damaged by excessive, daily handwashing with soaps and detergents as well as skin affected by bacterial, viral or fungal infections. Brief contact with eyes, conjunctiva or other mucous membranes may cause temporary irritation. Ingestion will cause irritation of throat and esophagus and may cause mental or physical disabilities associated with alcohol intoxication.

FIRST AID, EMERGENCY PROCEDURES

EYE CONTACT: Immediately flush affected area with plenty of cool water for at least 15 minutes. **GET MEDICAL ATTENTION IMMEDIATELY.**

INHALATION: Immediately remove victim to fresh air. If victim has stopped breathing, give artificial respiration, preferably mouth-to-mouth. **GET MEDICAL ATTENTION IMMEDIATELY.**

INGESTION: If victim is conscious and able to swallow, have victim drink water or milk to dilute. Never give victim anything by mouth if victim is unconscious or having convulsions. **CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.** Induce vomiting only if advised by physician or poison control center.

SUSPECTED CANCER AGENT?

No. This products ingredients are not found in Federal OSHA, NTP or IARC lists.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None known when used as directed.

6. REACTIVITY DATA

STABILITY: Stable at room temperature for at least 5 years in a tightly closed container.

CONDITIONS AND MATERIALS TO AVOID: Contact with acetyl chloride and a wide range of strong oxidizing agents which may react violently.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide can form upon incomplete combustion.

HAZARDOUS POLYMERIZATION: None likely.

7. SPILL, LEAK AND DISPOSAL PROCEDURES

ENVIRONMENTAL PRECAUTIONS: Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

SPILL OR LEAK PROCEDURES: In case of large spills, wear appropriate respiratory protection. Eliminate possible ignition sources. Contain spilled material. Transfer to secure containers. Where necessary, collect spilled product using absorbent media. Dilute spill with water and directly flow to any available sanitary drain. In the event of an uncontrolled release of this product, the user should determine if the release is reportable under applicable laws and regulations.

WASTE DISPOSAL: All recovered product may be dispensed along with water through normal sanitary sewage systems in gradual releases.

Note: Dispose of all wastes in accordance with federal, state and local regulations.

8. SPECIAL HANDLING INFORMATION

VENTILATION: Adequate ventilation should be available for all uses of this product.

RESPIRATORY PROTECTION: Where exposure is likely to exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. For normal use of product as a skin antiseptic or surface disinfectant, no respirators are deemed necessary.

EYE PROTECTION: Contact of product with the eyes is not expected or anticipated in the normal use; however, if there is a possibility of splashing or other means of contact with eyes, chemical safety goggles meeting the specifications of ANSI Standard Z87. 1 should be worn.

GLOVES OR OTHER PROTECTIVE CLOTHING: No protective gloves or clothing are deemed necessary for normal application of product as a skin antiseptic or surface disinfectant.

STORAGE: Store product in cool place away from areas of high heat, flames or potential sparks. Empty containers may be discarded in trash after rinsing with water.

SHIPPING DESCRIPTION: ETHANOL, 3, UN1170, PGII for containers above one liter. **ORM-D** for containers one liter or less



Alpet D2 Surface Sanitizer MSDS Component Specification

CS-104-037-00

Rev.000

Page 3 of 4

Drawing 1

Not to scale

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION: ALPET D2

Chemical Family: Isopropyl alcohol-glycerol-water blend
Manufactured For: BEST SANITIZERS, Inc.
P.O. Box 1360, 17320 Penn Valley Drive
Penn Valley, Ca 95946

Emergency Information: CHEMTREC toll-free, 24-hour emergency telephone number, 800-424-9300 or Best Sanitizers 1 (888) 225-3267, 8-5 Pacific Standard Time.

Other Information: EPA Registration Number 73232-1

Precautions: Flammable. Keep away from high heat, sparks, flame and all other ignition sources. May be harmful or fatal if swallowed. Use with adequate ventilation. Avoid prolonged breathing of vapor. Avoid contact with eyes or mucous membranes where prolonged contact causes irritation.

Date Revised: 22 September 2006

2. HAZARDOUS INGREDIENTS

Chemical Names	CAS Numbers	Percent*	ACGIH TLV	Exposure Limits In Air (ppm)	
				OSHA PEL	Other (specify)
Isopropyl Alcohol	67-63-0	55-65%	400ppm	400ppm	
Other non-hazardous ingredients		35-45%			
TOTAL		100.00			

*Not a required category

3. PHYSICAL PROPERTIES

Vapor Density:	2.07	Physical State:	Clear liquid
Vapor Pressure:	33@ 20°C	Color:	Clear
Specific Gravity:	0.8857	Odor:	Alcohol odor
Melting Point:	NA	Miscibility:	100% in water
Boiling Point:	180°F	Stability:	>5 years
Viscosity:	non-viscous	Corrosion:	non-corrosive

Does not stain skin, fabrics, plastics, metals, glass, formica.

How To Detect This Substance: Mild alcoholic odor

4. FIRE AND EXPLOSION

Flash point: 21.49°C (tag closed cup)

Auto-ignition temperature: >685 F. Flammable limits in air, volume %: lower 2; upper 12.

NFPA Rating: Health (1), Flammability (3), Physical Hazard/ Instability (0)

FIRE FIGHTING PROCEDURES: Use dry chemical, "alcohol foam", or carbon dioxide. Water may be ineffective, but water should be used to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to protect persons attempting to stop a leak. Water may be used to flush and dilute spills to nonflammable mixtures.

5. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure:


INHALATION: Exposure to over 400 ppm may cause headache, drowsiness, lassitude loss of appetite and inability to concentrate. May cause irritation of the throat.

SWALLOWED: Can cause depression of central nervous system, nausea, vomiting, and diarrhea.

EYE CONTACT: Can cause eye irritation (stinging sensation) and tear production. Redness of conjunctiva may occur.

SKIN CONTACT: Causes no skin irritation if used as directed. Excessive, continuous exposure for a long period of time may cause defatting or drying of skin. Rate of absorption of active ingredients through skin or the effects thereof are unknown.

INGESTION: Can cause depression of central nervous system, nausea, vomiting, and diarrhea.

	Alpet D2 Surface Sanitizer MSDS Component Specification		
	CS-104-037-00	Rev.000	Page 4 of 4

Drawing 2 Not to scale

HEALTH EFFECTS FROM EXPOSURE

ACUTE/CHRONIC: No special acute or chronic effects or risks are expected from usage as directed on label. Brief contact with eyes, conjunctiva or other mucous membranes may cause temporary irritation. Ingestion will cause irritation of throat and esophagus and may cause mental or physical disabilities associated with alcohol intoxication.

FIRST AID, EMERGENCY PROCEDURES

EYE CONTACT: Immediately flush affected area with plenty of cool water for at least 15 minutes. **GET MEDICAL ATTENTION IMMEDIATELY.**

INHALATION: Immediately remove victim to fresh air. If victim has stopped breathing, give artificial respiration, preferably mouth-to-mouth. **GET MEDICAL ATTENTION IMMEDIATELY.**

INGESTION: If victim is conscious and able to swallow, have victim drink water or milk to dilute. Never give victim anything by mouth if victim is unconscious or having convulsions. **CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.** Induce vomiting only if advised by physician or poison control center.

SUSPECTED CANCER AGENT?
No. This products ingredients are not found in Federal OSHA, NTP or IARC lists.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None known when used as directed.

6. REACTIVITY DATA

STABILITY: Stable at room temperature for at least 5 years in a tightly closed container.

CONDITIONS AND MATERIALS TO AVOID: Contact with acetyl chloride and a wide range of strong oxidizing agents which may react violently.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide can form upon incomplete combustion.

HAZARDOUS POLYMERIZATION: None likely.

7. SPILL, LEAK AND DISPOSAL PROCEDURES

ENVIRONMENTAL PRECAUTIONS: Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

SPILL OR LEAK PROCEDURES: In case of large spills, wear appropriate respiratory protection. Eliminate possible ignition sources. Contain spilled material. Transfer to secure containers. Where necessary, collect spilled product using absorbent media. Dilute spill with water and directly flow to any available sanitary drain. In the event of an uncontrolled release of this product, the user should determine if the release is reportable under applicable laws and regulations.

WASTE DISPOSAL: All recovered product may be dispensed along with large volumes of water through normal sanitary sewage systems in gradual releases.

Note: Dispose of all wastes in accordance with federal, state and local regulations.

8. SPECIAL HANDLING INFORMATION

VENTILATION: Adequate ventilation should be available for all uses of this product.

RESPIRATORY PROTECTION: Where exposure is likely to exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. For normal use of product as a surface disinfectant, no respirators are deemed necessary.

EYE PROTECTION: Contact of product with the eyes is not expected or anticipated in the normal use; however, if there is a possibility of splashing or other means of contact with eyes, chemical safety goggles meeting the specifications of ANSI Standard Z87.1 should be worn.

GLOVES OR OTHER PROTECTIVE CLOTHING: No protective gloves or clothing are deemed necessary for normal application of product.

STORAGE: Store product in cool place away from areas of high heat, flames or potential sparks. Empty containers may be discarded in trash after rinsing with water.

SHIPPING DESCRIPTION: ISOPROPYL ALCOHOL, 3, UN1219, PGII. For bottles one liter or less
ORMD

REPORT NUMBER: 703

UNIVAR USA INC.

PAGE: 008

SYMBOL: E2060041

MATERIAL SAFETY DATA SHEET

ALTERNATE UPLOAD DATE: 12/07/05

VERSION: 007

PRODUCT: ISOPROPYL ALCOHOL / ISOPROPANOL

ORDER NO: 545517

PROD NO : 285960

----- FOR ADDITIONAL INFORMATION -----

CONTACT: MSDS COORDINATOR

UNIVAR USA INC.

DURING BUSINESS HOURS, PACIFIC TIME

(425)889-3400

06/06/06 19:51

PRODUCT: 285960

CUST NO: 485725

ORDER NO: 545517

----- NOTICE -----

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*** END OF MSDS ***

MSDS - Material Safety Data Sheet

Product Name: *Specially Denatured Alcohol 3C, 200 Proof*

MSDS No.: SDA3C 2

Basic Information:

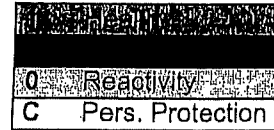
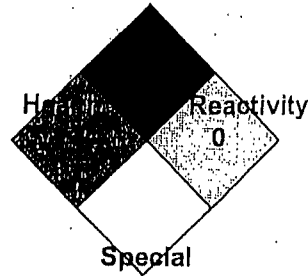
Manufacturer: MGP Ingredients of Illinois, Inc.
Address: 1301 South Front Street
City, ST Zip: Pekin, IL 61554
Phone: (309) 353-3990

Emergency Contact: Chemtrec 1-800-424-9300

Last Update: 10/10/02

Chemical State: Liquid Gas Solid

Chemical Type: Pure Mixture



Ingredients:

CAS No.	Chemical Name	% wt/wt	EHS	NTP	IARC	SUB	Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
17-5	Ethanol	95.3							1000 ppm	1000 ppm	
-63-0	Isopropyl alcohol	4.7			X			X	400 ppm	400 ppm	

Hazardous Identification:

Hazard Category:

- Acute
 Chronic
 Fire
 Pressure
 Reactive

Hazardous Identification Information:

POISON! DANGER! MAY BE FATAL IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. VAPOR HARMFUL. FLAMMABLE! AFFECTS CENTRAL NERVOUS SYSTEM. CAUSES IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. MAY AFFECT LIVER, BLOOD, REPRODUCTIVE SYSTEM.

First Aid Measures:

Route(s) of Entry:
 Inhalation, Skin, Eye, Ingestion

Health Hazards (Acute and Chronic):

- Inhalation:** May cause irritation to the mucous membranes of the upper respiratory tract. Exposure over 1000 ppm may cause headache, drowsiness, lassitude, loss of appetite, inability to concentrate, throat irritation
- Ingestion:** Can cause depression of Central Nervous System, nausea, vomiting, diarrhea, Intoxication, and in acute cases, death
- Eye:** Liquid and vapor may cause irritation. Splashes may cause temporary pain and blurred vision
- Skin:** May cause irritation, cracking, flaking, and defatting of skin on prolonged contact
- Chronic Exposure:** Prolonged skin contact causes drying and cracking of skin. May affect nervous system, liver, blood, reproductive system.

Product Name: Specially Denatured Alcohol 3C, 200 Proof

MSDS No.: SDA3C 2

Signs and Symptoms:

Headache, drowsiness, lassitude, loss of appetite, inability to concentrate, irritation of throat/eye/skin, depression of Central Nervous System, nausea, vomiting, diarrhea, skin defatting.

Medical Conditions Generally Aggravated by Exposure:

People with pre-existing skin disorders, eye problems, or impaired kidney or liver function may be more susceptible to effects.

Emergency and First Aid Procedures:

Ingestion: Conscious or able to swallow—have victim drink water or milk to dilute. NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS OR CONVULSING. Call doctor or Poison Control immediately. Induce vomiting only if advised by doctor or Poison Control.

Inhalation: Immediately remove to fresh air. If victim has stopped breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention immediately.

Eye/Skin: Remove contaminated clothing. Immediately flush area with plenty of cool water. Eye should be flushed for at least 15 minutes. Get medical attention if irritation develops or persists

Fire Fighting Measures:

Flash Point: 55°F CC

Lower Explosive Limit: (Ethanol) 3.3%
(IPA) 2.5%

Upper Explosive Limit: (Ethanol) 19.0%
(IPA) 12.1%

Fire Extinguishing Media:

Use dry chem, "Alcohol" Foam, CO₂. Water may be ineffective but water should be used to keep fire-exposed container cool.

Special Fire Fighting Procedures:

If leak/spill hasn't ignited, use water spray to disperse vapors and protect people attempting to stop the leak. Water spray may be used to flush spills away from exposure and to dilute spills to non-flammable mixtures.

In the event of fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece in pressure demand or other positive pressure mode. Water can be used to extinguish flames and cool fire-exposed containers

Usual Fire and Explosion:

Above flash point, vapor-air mixtures are explosive. Vapors can flow along surfaces to ignition sources and flash back. Sealed containers may rupture when heated. Sensitive to static discharge.

Accidental Release Measures:**Steps to be Taken in Case Material is Released or Spilled:**

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriated container or absorb with an inert material (vermiculite, dry sand, earth, etc.), and place in a chemical waste container. Do not use combustible materials, such as sawdust. Do not flush to sewer!

Handling and Storage:**Precautions to be Taken:**

Protect against physical damage. Store in a cool, dry, well-ventilated location. Keep away from heat, sparks, and flame. Avoid contact with eyes. Keep container closed. Use with adequate ventilation. Ground container when transferring.

Other Precautions:

Vapors may collect in containers. Treat empty containers as hazardous. Sudden release of hot organic chemical vapors/mists from process equipment operating at elevated temperatures may result in ignition with out the presence of obvious ignition sources.

MSDS - Material Safety Data Sheet

Date Printed: 6/9/06

Product Name: Specially Denatured Alcohol 3C, 200 Proof

MSDS No.: SDA3C 2

VIII. Exposure Controls/Personal Protection:**Ventilation Requirements:**

Special, local ventilation is needed where vapors escape to workplace air.

Personal Protective Equipment:Use self-contained breathing apparatus in high vapor concentration. **WARNING:** Air purifying respirators do not protect workers in oxygen-deficient atmospheres.**Skin Protection:** impervious clothing including boots, gloves, lab coat, apron, or coveralls as appropriate**Eye Protection:** safety glasses and/or full face shield where splashing is possible**Other Protective Equipment:** eyewash, safety shower**Work Hygienic Practices:** wash thoroughly after handling**X. Physical and Chemical Properties:**

Boiling Point:	(Ethanol) 173°F	Melting Point:	(Ethanol) -173°F	Evaporation Rate:	(Ethanol) 3.0
	(IPA) 180°F		(IPA) -126°F		(IPA) 2.3

Vapor Pressure (mm Hg.):	43.0 @ 68°F	Vapor Density (AIR = 1):	(Ethanol) 1.6
			(IPA) 2.1

Solubility in Water: Completely**Appearance and Odor:** Clear and Colorless, Characteristic Odor**Other Information:** Specific Gravity @ 60°F: 0.7931 - 0.7960**Stability and Reactivity:****Stability:**

Stable under normal conditions

Compatibility (Materials to Avoid):

Strong oxidants, silver salts, acid chlorides, alkali metals, metal hydrides, hydrazine, and many other substances.

Decomposition/By Products:

Carbon Dioxide, Carbon Monoxide

Hazardous Polymerization:

None

Toxicological Information:**Ethanol:**

Oral rat LD50: 7060 mg/kg; inhalation rat LC50: 20,000 ppm/10H;

Irritation data, eye, rabbit: 50 mg/24H Severe;

Investigated as a tumorigen, mutagen, reproductive effector.

Reproductive: Ethanol has been linked to birth defects in humans.**Carcinogenicity:** ACGIH: A4 - not classifiable as a human carcinogen.**Isopropyl alcohol:**

Oral rat LD50: 5045 mg/kg

Irritation data, eye, rabbit: 100 mg/24H Moderate;

Carcinogenicity: Isopropyl alcohol is listed as a Group 3 carcinogen by IARC.

MSDS - Material Safety Data Sheet

Date Printed: 6/9/06

Product Name: *Specially Denatured Alcohol 3C, 200 Proof***MSDS No.:** SDA3C 2**II. Ecological Information:****Ethanol:**Soil: readily biodegrades, quickly evaporates, leaches into groundwaterWater: readily biodegrades, evaporates to moderate extent. Does not bioaccumulateAir: readily degrades by reaction with photochemically produced hydroxyl radicals, readily removed by dry and wet deposition, has a half-life between 1 and 10 days**Isopropyl alcohol:**Soil: may biodegrade, quickly evaporates, leaches into ground, rainout may be significant due to solubility in waterWater: volatilizes in aquatic environments with a half-life of 5.4 days, may biodegrade, does not bioconcentrateAir: photodegrades by reaction with hydroxyl radicals with a half-life of one to several days**III. Disposal Considerations:**

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved waste facility. Processing, use, or contamination of this product may change the waste management options.

State and local disposal regulations may differ from federal disposal regulations.

IV. Transport Information:**Domestic (Land, D.O.T.)**

Proper Shipping Name: Alcohols, nos.

Hazard Class: 3 (Flammable Liquid)

UN/NA: UN1987

Packing Group: II

Emergency Response Guide #127

International (Water, I.M.O.)

Proper Shipping Name: Alcohols, nos.

Hazard Class: 3.2 (Flammable Liquid)

UN: UN1987

Packing Group: II

Emergency Response Guide #127

MSDS - Material Safety Data Sheet

Product Name: *Specially Denatured Alcohol 3C, 200 Proof*
MSDS No.: SDA3C 2

V. Regulatory Information:

<p>TSCA CAS# 64-17-5 is listed on the TSCA inventory CAS# 67-63-0 is listed on the TSCA inventory Health & Safety Reporting List CAS# 67-63-0: Effective date: December 15, 1986; Sunset date: December 15, 1996 Chemical Test Rules CAS# 67-63-0: Testing required by: manufacturers, importers, processors Section 12b CAS# 67-63-0: 4/12b TSCA Significant New Use Rule None</p> <p>PCRA Section 302 None Section 304 None SARA Codes CAS# 64-17-5: acute, chronic, flammable CAS# 67-63-0: acute, chronic, flammable</p>	<p>Section 313 CAS# 67-63-0 is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373</p> <p>CERCLA Section 103 None</p> <p>Clean Air Act Hazardous Air Pollutants None Class 1 Ozone Depletors None Class 2 Ozone Depletors None</p> <p>Clean Water Act Hazardous Substances None Priority Pollutants None Toxic Pollutants None</p>
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VI. Other Information:

The information presented above is believed to be accurate and represents the best information currently available to us. We make no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. In no way shall MGP Ingredients be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages even if MGP Ingredients has been advised of the possibility of such damages.

Univar USA Inc.
17425 NE Union Hill Road
Redmond, WA 98052
(425) 889-3400

For Emergency Assistance involving chemicals call - CHEMTREC (800) 424-9300

Revision Date and Number for this MSDS is : 08/18/2006 - #008

PRODUCT NAME: POTASSIUM
NITRATE

SDS NUMBER:
ZP5950

DATE ISSUED:
2/22/2005

REPERSEDES:
1/27/2004

ISSUED BY:
08614

POTASSIUM
NITRATE

PRODUCT
IDENTIFICATION

SYNONYMS: SALTPETER; NITER; NITRIC ACID, POTASSIUM
NITRATE
CAS NO: 7757-79-

MOLECULAR WEIGHT:
101.1
CHEMICAL FORMULA:
KNO3

istributed
y:
nivar USA
nc.
7425 NE Union Hill
oad
edmond, WA
3052
25-889-
400

=====
. COMPOSITION/INFORMATION ON
INGREDIENTS

INGREDIENT	CAS NO	PERCENT
HAZARDOUS		
POTASSIUM NITRATE	7757-79-1	99 - 100%
ES		

=====
. HAZARDS
IDENTIFICATION

EMERGENCY
INTERVIEW

DANGER! STRONG OXIDIZER. CONTACT WITH OTHER MATERIAL MAY CAUSE
FIRE.
DANGEROUS IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. CAUSES
IRRITATION
TO SKIN, EYES AND RESPIRATORY
TRACT.

POTENTIAL HEALTH
EFFECTS

INHALATION:
CAUSES IRRITATION TO THE RESPIRATORY TRACT. SYMPTOMS MAY INCLUDE
COUGHING,
SHORTNESS OF
BREATH.

INGESTION:

CAUSES IRRITATION TO THE GASTROINTESTINAL TRACT. SYMPTOMS MAY INCLUDE NAUSEA, VOMITING AND DIARRHEA. MAY CAUSE GASTROENTERITIS AND ABDOMINAL PAINS. PURGING AND DIURESIS CAN BE EXPECTED. RARE CASES OF NITRATES BEING CONVERTED TO THE MORE TOXIC NITRITES HAVE BEEN REPORTED, MOSTLY IN INFANTS.

SKIN

CONTACT:

CAUSES IRRITATION TO SKIN. SYMPTOMS INCLUDE REDNESS, ITCHING, AND PAIN.

EYE

CONTACT:

CAUSES IRRITATION, REDNESS, AND PAIN.

CHRONIC

EXPOSURE:

UNDER SOME CIRCUMSTANCES METHEMOGLOBINEMIA OCCURS IN INDIVIDUALS WHEN THE

NITRATE IS CONVERTED BY BACTERIA IN THE STOMACH TO NITRITE.

NAUSEA,

VOMITING, DIZZINESS, RAPID HEART BEAT, IRREGULAR BREATHING,

CONVULSIONS,

COMA, AND DEATH CAN OCCUR SHOULD THIS CONVERSION TAKE PLACE.

CHRONIC

EXPOSURE TO NITRITES MAY CAUSE ANEMIA AND ADVERSE EFFECTS TO KIDNEY.

AGGRAVATION OF PRE-EXISTING

CONDITIONS:

NO INFORMATION

FOUND.

=====

FIRST AID

MEASURES

RESPIRATION:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION.

IF

BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL

ATTENTION.

INGESTION:

INDUCE VOMITING IMMEDIATELY AS DIRECTED BY MEDICAL PERSONNEL. NEVER
GIVE
ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL
ATTENTION.

SKIN

CONTACT:

IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES
WHILE
REMOVING CONTAMINATED CLOTHING AND SHOES. GET MEDICAL ATTENTION.
WASH
CLOTHING BEFORE REUSE. THOROUGHLY CLEAN SHOES BEFORE
REUSE.

EYES

CONTACT:

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15
MINUTES,
LIFTING LOWER AND UPPER EYELIDS OCCASIONALLY. GET MEDICAL
ATTENTION
IMMEDIATELY.

=====

FIRE FIGHTING

MEASURES

HAZARD:

NOT COMBUSTIBLE, BUT SUBSTANCE IS A STRONG OXIDIZER AND ITS HEAT
OF
REACTION WITH REDUCING AGENTS OR COMBUSTIBLES MAY CAUSE
IGNITION.

EXPLOSION:

SOME NITRATES MAY EXPLODE WHEN SHOCKED, EXPOSED TO HEAT OR FLAME, OR
BY
SPONTANEOUS CHEMICAL REACTION. SEALED CONTAINERS MAY RUPTURE WHEN
HEATED.
SENSITIVE TO MECHANICAL
IMPACT.

FIRE EXTINGUISHING

MEDIA:

ANY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY, OR FOG. IF WATER
IS

SED, APPLY FROM AS FAR A DISTANCE AS POSSIBLE. WATER SPRAY MAY BE USED
KEEP FIRE EXPOSED CONTAINERS COOL. DO NOT ALLOW WATER RUNOFF TO
ENTER
DRAINWAYS OR
SEWERWAYS.

SPECIAL

INFORMATION:

WEAR FULL PROTECTIVE CLOTHING AND BREATHING EQUIPMENT FOR HIGH-
INTENSITY
FIRE OR POTENTIAL EXPLOSION CONDITIONS. THIS OXIDIZING MATERIAL
CAN
INCREASE THE FLAMMABILITY OF ADJACENT COMBUSTIBLE
MATERIALS.

=====

. ACCIDENTAL RELEASE

MEASURES

REMOVE ALL SOURCES OF IGNITION. VENTILATE AREA OF LEAK OR SPILL.

WEAR

APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT AS SPECIFIED IN SECTION

SPILLS: CLEAN UP SPILLS IN A MANNER THAT DOES NOT DISPERSE DUST INTO
THE

AIR. USE NON-SPARKING TOOLS AND EQUIPMENT. REDUCE AIRBORNE DUST AND
REVENT

SCATTERING BY MOISTENING WITH WATER. PICK UP SPILL FOR RECOVERY OR
DISPOSAL

AND PLACE IN A CLOSED

CONTAINER.

=====

. HANDLING AND

STORAGE

KEEP IN A TIGHTLY CLOSED CONTAINER, STORED IN A COOL, DRY, VENTILATED
AREA.

PROTECT AGAINST PHYSICAL DAMAGE AND MOISTURE. ISOLATE FROM ANY SOURCE

HEAT OR IGNITION. AVOID STORAGE ON WOOD FLOORS. SEPARATE

FROM

INCOMPATIBLES, COMBUSTIBLES, ORGANIC OR OTHER READILY OXIDIZABLE
MATERIALS.

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTY SINCE THEY

RETAIN
PRODUCT RESIDUES (DUST, SOLIDS); OBSERVE ALL WARNINGS AND
PRECAUTIONS
LISTED FOR THE
PRODUCT.

=====

EXPOSURE CONTROLS/PERSONAL
PROTECTION

AIRBORNE EXPOSURE
LIMITS:
ONE
ESTABLISHED.

VENTILATION
SYSTEM:

A SYSTEM OF LOCAL AND/OR GENERAL EXHAUST IS RECOMMENDED TO KEEP
EMPLOYEE
EXPOSURES AS LOW AS POSSIBLE. LOCAL EXHAUST VENTILATION IS
GENERALLY
REFERRED BECAUSE IT CAN CONTROL THE EMISSIONS OF THE CONTAMINANT AT
ITS
SOURCE, PREVENTING DISPERSION OF IT INTO THE GENERAL WORK AREA.
PLEASE
REFER TO THE ACGIH DOCUMENT, "INDUSTRIAL VENTILATION, A MANUAL
OF
RECOMMENDED PRACTICES", MOST RECENT EDITION, FOR
DETAILS.

PERSONAL RESPIRATORS (NIOSH
APPROVED):

UNDER CONDITIONS OF USE WHERE EXPOSURE TO DUST OR MIST IS APPARENT
AND
ENGINEERING CONTROLS ARE NOT FEASIBLE, A PARTICULATE RESPIRATOR (NIOSH
TYPE
95 OR BETTER FILTERS) MAY BE WORN. IF OIL PARTICLES (E.G.
LUBRICANTS,
CUTTING FLUIDS, GLYCERINE, ETC.) ARE PRESENT, USE A NIOSH TYPE R OR
FILTER. FOR EMERGENCIES OR INSTANCES WHERE THE EXPOSURE LEVELS ARE
NOT
KNOWN, USE A FULL-FACE POSITIVE-PRESSURE, AIR-SUPPLIED
RESPIRATOR.
WARNING: AIR-PURIFYING RESPIRATORS DO NOT PROTECT WORKERS
IN
OXYGEN-DEFICIENT

ATMOSPHERES.

KIN

PROTECTION:

WEAR IMPERVIOUS PROTECTIVE CLOTHING, INCLUDING BOOTS, GLOVES, LAB COAT, APRON OR COVERALLS, AS APPROPRIATE, TO PREVENT SKIN CONTACT.

EYE

PROTECTION:

WEAR CHEMICAL SAFETY GOGGLES AND/OR FULL FACE SHIELD WHERE DUSTING OR SPLASHING OF SOLUTIONS IS POSSIBLE. MAINTAIN EYE WASH FOUNTAIN AND FLUSH-DRINK FACILITIES IN WORK AREA.

=====

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

BOILING

POINT:

WHITE CRYSTALS.
(752F)

400C

DENSITY:

MELTING

POINT:

DENSITYLESS.
(631F)

333C

SOLUBILITY:

VAPOR DENSITY

(AIR=1):

6 GM/100 ML WATER
.00

SPECIFIC GRAVITY:

VAPOR PRESSURE (MM

(G):

.1
0C

NEGLIGIBLE @

H:

EVAPORATION RATE

(BUAC=1):

A. 7

NO INFORMATION

FOUND.

VOLATILES BY VOLUME @ 21C
70F):

=====

0. STABILITY AND
EACTIVITY

TABILITY:
TABLE UNDER ORDINARY CONDITIONS OF USE AND
TORAGE.

AZARDOUS DECOMPOSITION
RODUCTS:
XIDES OF NITROGEN AND TOXIC METAL FUMES MAY FORM WHEN HEATED
O
ECOMPOSITION.

AZARDOUS
OLYMERIZATION:
ILL NOT
CCUR.

NCOMPATIBILITIES:
EAVY METALS, PHOSPHITES, ORGANIC COMPOUNDS, CARBONACEOUS MATERIALS,
TRONG
CIDS, AND MANY OTHER
UBSTANCES.

ONDITIONS TO
VOID:
EAT, FLAMES, IGNITION SOURCES AND
NCOMPATIBLES.

=====

1. TOXICOLOGICAL
NFORMATION

RAL RAT LD50: 3750 MG/KG. INVESTIGATED AS A MUTAGEN,
EPRODUCTIVE
FFECTOR.

-----\CANCER LISTS

---NTP

ARCINOGEN---

INGREDIENT CATEGORY	KNOWN	ANTICIPATED	IARC
----- ----- POTASSIUM NITRATE (7757-79-1) ONE	NO	NO	

=====

2. ECOLOGICAL
INFORMATION

ENVIRONMENTAL
STATE:
NO INFORMATION
FOUND.

ENVIRONMENTAL
TOXICITY:
NO INFORMATION
FOUND.

=====

3. DISPOSAL
CONSIDERATIONS

WHATEVER CANNOT BE SAVED FOR RECOVERY OR RECYCLING SHOULD BE HANDLED
AS
HAZARDOUS WASTE AND SENT TO A RCRA APPROVED WASTE FACILITY. PROCESSING,
SE
R CONTAMINATION OF THIS PRODUCT MAY CHANGE THE WASTE MANAGEMENT
OPTIONS.
STATE AND LOCAL DISPOSAL REGULATIONS MAY DIFFER FROM FEDERAL
DISPOSAL
REGULATIONS.

DISPOSE OF CONTAINER AND UNUSED CONTENTS IN ACCORDANCE WITH FEDERAL,
STATE
AND LOCAL
REQUIREMENTS.

=====

4. TRANSPORT
INFORMATION

DOMESTIC (LAND, D.O.

ROPER SHIPPING NAME: POTASSIUM
NITRATE

HAZARD CLASS:

.1

N/NA: UN1486

PACKING GROUP:

II

INFORMATION REPORTED FOR PRODUCT/SIZE:

20 KG

INTERNATIONAL (WATER, I.M.

.)

ROPER SHIPPING NAME: POTASSIUM
NITRATE

HAZARD CLASS:

.1

N/NA: UN1486

PACKING GROUP:

II

INFORMATION REPORTED FOR PRODUCT/SIZE:

20 KG

5. REGULATORY
INFORMATION

-----\CHEMICAL INVENTORY STATUS - PART 1

INGREDIENT	TSCA	EC	JAPAN
AUSTRALIA			
POTASSIUM NITRATE (7757-79-1)	YES	YES	YES
USA			

-----\CHEMICAL INVENTORY STATUS - PART 2

INGREDIENT	KOREA	DSL	NDSL
CANADA			
POTASSIUM NITRATE (7757-79-1)	YES	YES	NO
USA			

-----\FEDERAL, STATE & INTERNATIONAL REGULATIONS - PART 1

INGREDIENT	-SARA 302-		-----SARA	
	RQ	TPQ	LIST	CHEMICAL
POTASSIUM NITRATE (7757-79-1)	NO	NO	NO	NITRATE

-----\FEDERAL, STATE & INTERNATIONAL REGULATIONS - PART 2

INGREDIENT	-RCRA-		8
	CERCLA	261.33	
POTASSIUM NITRATE (7757-79-1)	NO	NO	

CHEMICAL WEAPONS CONVENTION: NO TSCA 12(B): NO CDTA:

SARA 311/312: ACUTE: YES CHRONIC: YES FIRE: YES PRESSURE:

ACTIVITY: NO (PURE /

SOLID)

AUSTRALIAN HAZCHEM CODE: 1

DISPOSITION SCHEDULE: NONE

LOCATED.

HMIS: THIS MSDS HAS BEEN PREPARED ACCORDING TO THE HAZARD CRITERIA

THE CONTROLLED PRODUCTS REGULATIONS (CPR) AND THE MSDS

CONTAINS

ALL OF THE INFORMATION REQUIRED BY THE

PR.

=====

5. OTHER

INFORMATION

PPA

NOTINGS:

HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0 OTHER:
KIDIZER

For Additional Information:

Contact: MSDS Coordinator - Univar USA
During business hours, Pacific Time - (425) 889-3400

NOTICE

Univar USA expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

Do not use ingredient information and/or ingredient percentages in this MSDS as a product specification. For product specification information refer to a Product Specification Sheet and/or Certificate of Analysis. These can be obtained from your local Univar USA Sales Office.

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Univar USA makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Univar USA's control. Therefore, users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes, and they assume all risks of their use, handling, and disposal of the product or from the publication or use, or reliance upon, information contained herein. This information relates only to the product designated herein and does not relate to its use in combination with any other material or in any other process.

END OF MSDS

MATERIAL SAFETY DATA SHEET

Product name **Citric Acid Anhydrous**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name Citric Acid Anhydrous
Supplier JUNGBUNZLAUER Canada
1555 Elm Street, Port Colborne, Ontario L3K 5V4
CANADA
Telephone 1 (905) 835 54 44
Telefax 1 (905) 835 00 61
24 h Emergency telephone number CHEMTREC 1 - 800 - 424 - 9300
Product Information Additive for foods and pharmaceuticals

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name of the substance Citric acid anhydrous
Chemical Name $C_6H_8O_7$
2-hydroxypropane-1,2,3-tricarboxylic acid
anhydrous
Synonyms Citric Acid
EC-No. 201-069-1
CAS-No. 77-92-9
Hazardous Impurities None.

3. HAZARDS IDENTIFICATION

Most important hazards: Irritating to eyes.
May cause skin irritation and respiratory tract irritation.

4. FIRST AID MEASURES

General advice Consult a physician.
Major effects of exposure: Irritating to eyes.
May cause skin irritation in susceptible persons.
Inhalation Move to fresh air.
Skin contact Wash off immediately with soap and plenty of water.
If skin irritation persists, seek medical attention.
Eye contact Rinse immediately with plenty of water, also under the eyelids,
for at least 15 minutes.
If eye irritation persists, seek medical attention.
Ingestion: Drink plenty of water. Do not induce vomiting.
Seek medical attention.
Protection of first-aiders Use personal protective equipment.

MATERIAL SAFETY DATA SHEET

Product name

Citric Acid Anhydrous

5. FIRE-FIGHTING MEASURES

Flashpoint	Not available
Lower flammable limits	8% at 65 °C / 149 °F
Upper flammable limits	Not available
Auto-ignition temperature	345 °C / 653 °F
Suitable extinguishing media	water, water spray, dry powder, foam, carbon dioxide (CO ₂).
Extinguishing media which must not be used for safety reasons	None.
Hazardous decomposition products	Carbon oxides
Special protective equipment for firefighters	Use personal protective equipment.
Specific methods	Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Avoid contact with skin and eyes.
Environmental precautions	No special environmental precautions required.
Methods for cleaning up	Sweep up and shovel. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling	
Technical measures/Precautions	Avoid dust formation. Take precautionary measures against static discharges.
Safe handling advice	Use personal protective equipment.
Storage	
Technical measures/Storage conditions	Keep tightly closed in a dry and cool place.
Incompatible products	Strong oxidizing agents, strong bases.
Packaging material	Polyethylene coated paper bags or polyethylene/propylene big bags.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure	Ensure adequate ventilation, especially in confined areas.
Exposure limit(s)	No special precautions required.
Personal protective equipment	
Respiratory protection	Effective dust mask
Hand protection	Gloves
Eye protection	Safety glasses
Skin and body protection	Lightweight protective clothing
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

MATERIAL SAFETY DATA SHEET

Product name **Citric Acid Anhydrous**

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Powder / crystalline
Colour	White / colourless
Odour	None
Odour Threshold	N.A.
pH Solution (5 %) (25°C/77°F)	1.80
Vapour pressure	Practically zero at room temperatures
Vapour density	N.A.
Melting point/range	153°C / 307°F
Boiling point	N.A.
Decomposition temperature	> 170°C / > 338°F
Auto-ignition temperature	345 °C / 653 °F
Explosive properties, risk of explosion:	Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Relative density	1.665 g/cm ³
Bulk density granular	850 - 950 kg/m ³
powder	550 - 650 kg/m ³
Solubility	
Water solubility (25°C/77°F)	61.8 % (w/w)
Solubility in other solvents	
Ethanol (25°C/77°F)	38.3 % (w/w)
Coefficient of water / oil distribution	Log P (oct) -1.72 (measured) Log P (oct) -1.25 to -1.80 (calculated)

10. STABILITY AND REACTIVITY

Stability	Stable at normal conditions.
Conditions to avoid	Avoid dust formation. Take precautionary measures against static discharges.
Materials to avoid	Incompatible with strong bases and oxidizing agents
Hazardous decomposition products	No decomposition if stored normally. Thermal decomposition can lead to release of irritating gases and vapours.
Corrosion	May corrode metals. 316 Stainless steel recommended material for handling.

MATERIAL SAFETY DATA SHEET

Product name

Citric Acid Anhydrous**11. TOXICOLOGICAL INFORMATION**

Acute toxicity	LD50/p.o./rat = 11,700 mg/kg ⁽¹⁾ LD50/l.p./rat = 883 mg/kg ⁽²⁾ LD50/p.o./mouse = 5,040 mg/kg ⁽¹⁾ LD50/l.v./mouse = 42 mg/kg ⁽¹⁾ LD50/l.p./mouse = 961 mg/kg ⁽²⁾
Local effects	Irritating to eyes. May cause skin irritation and respiratory tract irritation.
Chronic toxicity	None.
Human experience	Health injuries are not known or expected under normal use.
Carcinogenic Characteristic	This product does not contain any substances that are considered by ACGIH, OSHA or NTP to be "probable" or "suspected" human carcinogens.
Reproductive toxicity	No data available
Teratogenicity	No data available
Mutagenic Characteristic	negative ⁽⁴⁾
Biotoxicus	(1) H.T. Yokotani et al, J. Takeda Res, Lab 30 (1) 25 (1971) (2) C.M. Grubar & W.A. Halbelsen, J. Pharmac. Exp. Ther. 94 65 (1948) (3) FDA 223-75-2004 (1977) (4) Ames Test, Lifton Biogenics Inc, 1975, Contract No. FDA 71-268

12. ECOLOGICAL INFORMATION

Mobility	completely soluble
Persistence / degradability	
Chemical oxygen demand (COD) =	750 ± 50 mg O ₂ /g
Biochemical oxygen demand within 5 days (BOD5) =	625 ± 50 mg O ₂ /g
DIN 38412 Part 25 (DIN EN ISO 9888)	Readily biodegradable (98 % after 2 days)*
Ecological toxicity	
DIN 38412 Part 15 (DIN EN ISO 7346)	Toxicity to fish 440 - 706 mg/l
DIN 38412 Part 5	Toxicity to bacteria >10,000 mg/l
Bioaccumulation	None.
Reference: P. Creach; C. R. Acad. Sci. Paris 240 2651 (1955)	

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products	Where possible recycling is preferred to disposal or incineration. Can be disposed in landfill or incinerated, when in compliance with local regulations.
Contaminated packaging	Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

Not classified as dangerous according to TDG (Transportation of Dangerous Goods) and DOT (Department of Transportation).

MATERIAL SAFETY DATA SHEET

Product name

Citric Acid Anhydrous

15. REGULATORY INFORMATION

WHMIS - Class E

IDL - Citric Acid (CAS-No. 77-92-9) is listed in the Ingredient Disclosure List

DSL - Citric Acid (CAS-No. 77-92-9) is listed in Domestic Substance List

HMIS - Health - 1 ; Flammability - 0 ; Reactivity - 0

TSCA - Citric Acid (CAS-No. 77-92-9) is listed on the TSCA Inventory

TSCA 8(d) - Citric Acid (CAS-No. 77-92-9) exempted from regulations

According to European Community Directive 67/548/EEC, as amended, the product shall be labelled:

Symbol(s):	XI - Irritant
Risk -phrase(s):	R36 - Irritating to eyes.
Safety -phrase(s)	S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

References.

ECAMA Internal Report 1998

Citric acid has irritancy equivalent to fumaric acid see Annex 1 Directive 67/548/EEC.

Directive 67/548/EEC Annex 7, non toxic to the environment.

16. OTHER INFORMATION

USA FDA GRAS Status

Food Additive E 330

HMIS Letter E:

Wear personal protective equipment: Gloves; Safety Glasses, Dust Respirator

MSDS Status: WHMIS class changed 18th of July 2003

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



**ICL Performance
Products LP**

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification

Product Name: TRISODIUM PHOSPHATE ANHYDROUS
Reference Number: AST10064
Date: April 17, 2006

Use of the substance or preparation

Industrial and household cleaners, water conditioner, photograph developer bath ingredient, paint remover, denture cleaners, emulsifier and pH control agent for foods. May be used to treat drinking water.

Company/Undertaking Identification

ICL PERFORMANCE PRODUCTS LP
622 Emerson Road - Suite 500
St. Louis, Missouri 63141

Emergency telephone

In USA call CHEMTREC: 1 800 424 9300
In Canada call CANUTEC: 1 613 996 6666

General Information: +1 800 244 6169 (Worldwide)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition

<u>Substance</u>	<u>CAS No.</u>	<u>%w/w</u>	<u>EINECS No.</u>	<u>Risk Phrase</u>
Trisodium Phosphate Anhydrous	7601-54-9	100	231-509-8	R34R37/38 R41

3. HAZARDS IDENTIFICATION

Classification of the substance/preparation

EC Classification: XI - Irritant
Safety Phrase: S26 S36/37/39

Human Health Effects

This product causes eye burns and may cause skin irritation. Inhalation of dust may cause coughing and sneezing. Inhalation may cause respiratory irritation. Ingestion of this product may cause severe nausea, vomiting, abdominal discomfort and burning sensation.

ICL Performance Products LP Material Safety Data Sheet

Material: Trisodium Phosphate Anhydrous

Reference No.: AST10064

Page 2 of 6
April 17, 2006

Environmental Effects

This material is not expected to product any significant adverse environmental effects when recommended use instructions are followed.

4. FIRST AID MEASURES

WARNING STATEMENTS

DANGER!
CAUSES EYE IRRITATION
MAY CAUSE RESPIRATORY TRACT IRRITATION

General

Treatment is symptomatic and supportive. The product causes eye and skin irritation. May be harmful if swallowed. This product is destructive to mucous membranes.

Eye contact

In case of contact with eyes, immediately flush the eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation, pain, swelling, lacrimation, or photophobia persists.

Skin contact

Immediately remove this material from skin and wash with plenty of water. Remove contaminated clothing. Wash clothing and thoroughly clean shoes before reuse.

Inhalation

Inhalation of the dust may cause coughing and sneezing. Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention immediately. Contact a Poison Control Center. Swallowing this product may cause severe nausea, vomiting, abdominal discomfort, and burning sensation.

5. FIRE FIGHTING MEASURES

Extinguishing media

Non-combustible
No special requirement.
To extinguish fire use water spray, dry chemical, carbon dioxide, or appropriate foam

Unsuitable extinguishable media

Non-combustible
No special requirement.

Exposure hazards

No special considerations

Protective equipment

As a general precaution, firefighters and others exposed, wear self-contained breathing apparatus.

ICL Performance Products LP Material Safety Data Sheet

Material: Trisodium Phosphate Anhydrous

Reference No.: AST10064

Page 3 of 6
April 17, 2006

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid unnecessary exposure and remove all material from eyes, skin and clothing.

Environmental precautions

Small quantities: Avoid discharge into the environment

Large quantities: Avoid discharge into the environment – See section 15

Method for cleaning up

Sweep, scoop or vacuum spill material, contaminated soil and other contaminated material and place in clean, dry containers for removal. If possible, complete cleanup on a dry basis.

7. HANDLING AND STORAGE

Handling:

Do not get in eyes, on skin, or on clothing.

Avoid breathing dust.

Do not taste or swallow.

Use only in adequate ventilation.

Wash thoroughly after handling

Remove material from clothing.

Engineering measures

Ensure adequate ventilation. The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment.

Storage

Store in cool, dry place to maintain product performance. Product should be stored in sealed containers and be kept free of water due to product corrosivity.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure limit

OSHA and ACGIH have not established specific exposure limits for this material. However, OSHA and ACGIH have established limits for particulates not otherwise regulated (PNOR) and particulates not otherwise classified (PNOC) which are the least stringent exposure limits applicable to dusts.

ACGIH TLV 10 mg/m3 (inhalable) 8-hr TWA, 3 mg/m3 (respirable) 8-hr TWA
OSHA PEL 15 mg/m3 (total dust) 8-hr TWA, 5 mg/m3 (respirable) 8-hr TWA

Respiratory protection

Avoid breathing dust. In case of insufficient ventilation, use approved respiratory protective equipment as described in OSHA 29 CFR 1910.134 or European Standard EN149. A vapor respirator is recommended.

Hand/Skin protection

Wear protective gloves is recommended; wash hands and contaminated skin thoroughly after handling.

Eye protection

ICL Performance Products LP Material Safety Data Sheet

Material: Trisodium Phosphate Anhydrous

Reference No.: AST10064

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April 17, 2006

Wear appropriate protective eyeglasses or chemical safety goggles as described in OSHA eye and face regulation in 29 CFR 1910.133 or European Standard EN166.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Chemical Formula: Na_3PO_4
Form: Free-flowing granular product
Color: White
Odor: Odorless

Important health, safety and environmental information

pH: 11.5 – 12.0 (as a 1% solution)
Specific Gravity: 2.54
Melting Point: 1340 °C
Solubility in Water: (g./100 g. H₂O): 5.4 @ 0 degrees C
14.5 @ 25 degrees C
23.3 @ 40 degrees C
54.3 @ 60 degrees C
94.6 @ 100 degrees C

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

10. STABILITY AND REACTIVITY

Product is stable under normal conditions of storage and handling.

Conditions to avoid

Store product in dry areas away from moisture. This product could be corrosive to aluminum surfaces due to high pH. When wet, mild steel and brass may be corroded.

Materials to avoid

Incompatible with strong mineral acids, aluminum and moisture.

Hazardous decomposition

Oxides of sodium and phosphorus may form when heated to decomposition

11. TOXICOLOGICAL INFORMATION

Laboratory data

Data from ICL Performance Products LP single-dose (acute) animal studies with this material are given below:

Oral - rat LD50: 4,150 mg/kg; slightly toxic
Dermal - rabbit LD50: >7,940 mg/kg; practically nontoxic
Eye Irritation - rabbit: corrosive
Skin Irritation - rabbit: 2.2/8.0 (24-hr. exp.); slightly irritating

This product produced no mutagenic effects in standard assays using fruit flies.

This material has been defined as a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

12. ECOLOGICAL INFORMATION

ICL Performance Products LP Material Safety Data Sheet

Material: Trisodium Phosphate Anhydrous

Reference No.: AST10064

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April 17, 2006

Environmental toxicity

The following data have been classified using the criteria adopted by the European Economic Community (EEC) for aquatic organism toxicity.

Invertebrate: 50-hr EC50 Daphnia magna: 177 mg/L; Practically Nontoxic
Warmwater fish: 96-hr LC50 Bluegill sunfish: 220 mg/L; Practically Nontoxic
Coldwater fish: 96-hr LC50 Rainbow trout: 120 mg/L; Practically Nontoxic

No definitive algal data was available for this material.

Environmental fate

Inorganic compounds in contact with the soil, sub-surface or surface waters may be taken up by plants and utilized as essential nutrients. Phosphates may also form precipitates, usually with calcium or magnesium. The resultant compounds are insoluble in water and become a part of the soil or sediment. The term biodegradability, as such, is not applicable to inorganic compounds.

13. DISPOSAL CONSIDERATIONS

European waste catalog number

Unknown

Disposal Considerations

This material when discarded is not a hazardous waste as that term is defined by the Resource, Conservation and Recovery Act (RCRA), 40 CFR 261. Dry material may be landfilled or recycled in accordance with local, state and federal regulations. Consult your attorney or appropriate regulatory officials for information on such disposal.

14. TRANSPORT INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

Road/Rail, Sea and Air

IMDG/UN	Environmentally hazardous substance, solid, n.o.s., UN 3077, Class 9, PG III
ICAO/IATA passenger aircraft	Environmentally hazardous substance, solid, n.o.s., UN 3077, Class 9, PG III
RID/ADR	Unknown
Canadian TDG	Sodium Phosphate Tribasic, NA9148, Class 9.2, PG III*
US DOT	Environmentally hazardous substance, solid, n.o.s. (contains sodium phosphate, Tribasic), UN 3077, 9, PG III*

+ Applies only to packages containing a Reportable Limit of 230 kg or more

* Applies only to a package containing a Reportable Quantity (RQ) of 5000 lbs or more.

15. REGULATORY INFORMATION

EC Label

Hazard symbol:	Xi - Irritant
R34	Causes burns
R37/38	Irritating to respiratory system and skin
R41	Risk of serious damage to eyes
S26	In case of contact with eyes, rinse immediately with plenty of water and

ICL Performance Products LP Material Safety Data Sheet

Material: Trisodium Phosphate Anhydrous

Reference No.: AST10064

Page 6 of 6
April 17, 2006

S36/37/39 seek medical attention
Wear suitable protective clothing, gloves and eye/face protection

Chemical Inventory

USA TSCA: Listed
Canada DSL: Listed
EC: Listed
Japan Listed
Australia Listed
Korea Listed
Philippines Listed
China Listed

Other information

Germany: WGK = 1
WHMIS Classification: D2(B) – Materials Causing Other Toxic Effects
SARA Hazard Notification
Hazard Categories Under Title III Rules (40 CFR 370): Immediate
Section 302 Extremely Hazardous Substances: Not Applicable
Section 313 Toxic Chemical(s): Not Applicable

CERCLA Reportable Quantity: 5,000 lb. RQ of sodium phosphate, tribasic

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulation and the MSDS contain all the information required by the Canadian Controlled Products Regulation.

16. OTHER INFORMATION

	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	<u>Additional Information</u>
Suggested NFPA Rating	3	0	0	
Suggested HMIS Rating	3	0	0	G G = safety glasses, gloves, vapor respirator

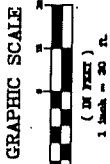
Reason for revision: Revised sections 8 and 11. Supersedes MSDS dated: November 1, 2005
Drafted in accordance with ECC Dir 2001/58/EC

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, ICL Performance Products LP makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will ICL Performance Products LP be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS

NOTES

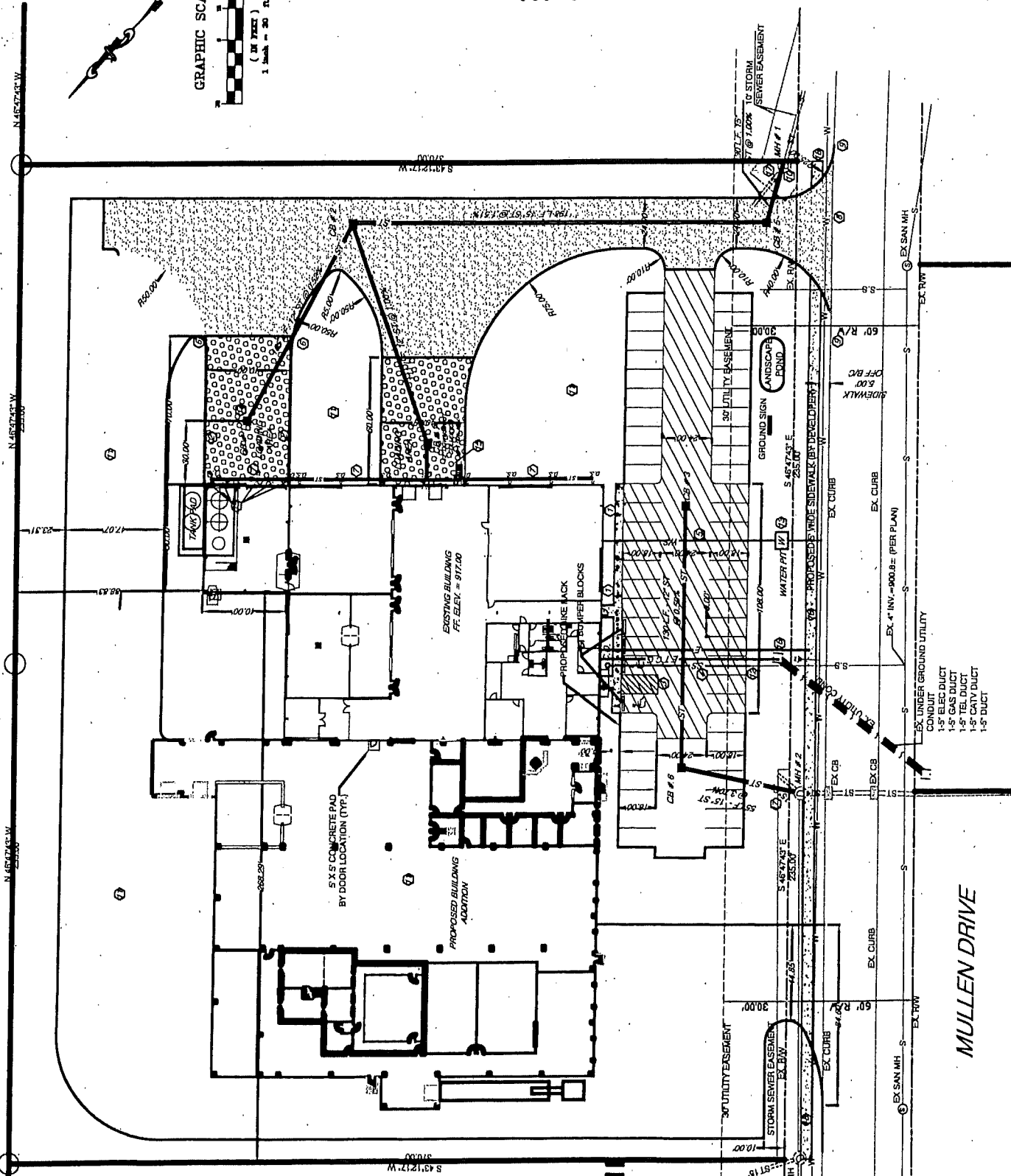
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CONSTRUCTION NOTES

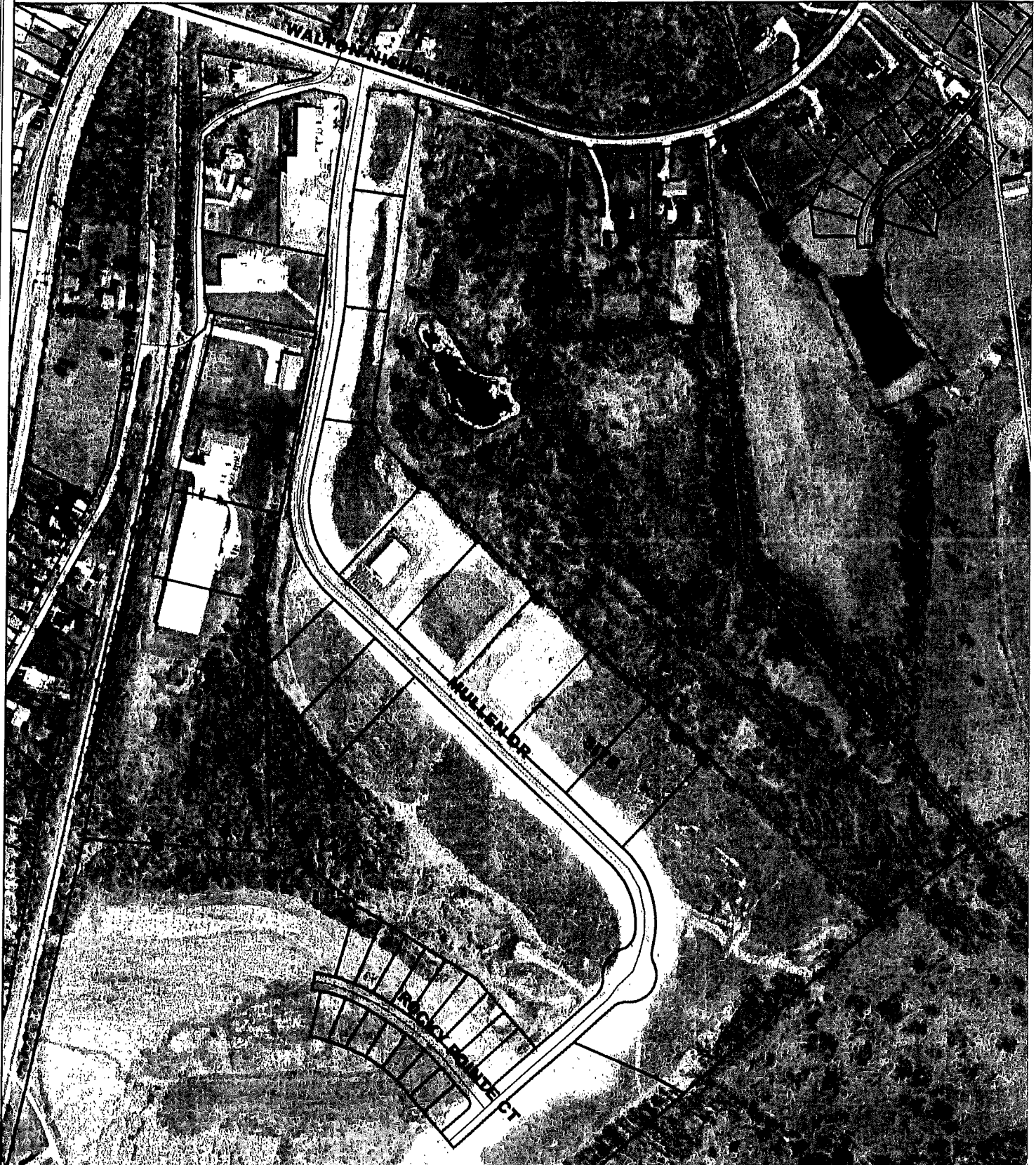
1. MATERIAL CURB AND SIDEWALK - SEE DETAIL THIS SHEET.
2. CONCRETE ROLL CURB - SEE DETAIL.
3. MAINTAINED STRIKE ISLAND, MANHOLE CAP PARAPET, STAIRWELL AND JOINTS - SEE DETAIL THIS SHEET.
4. SANITARY SERVICE - 4" x 4" SAN SERVICE @ 2.00' PER FOOT SIGNAL. CONTRACTOR TO FIELD VERIFY ACTUAL LOCATION AND ELEVATION PRIOR TO CONSTRUCTION. RESULTS TO BE REPORTED TO THE PROJECT ENGINEER.
5. DOMESTIC AND FIRE WATER SERVICE PER CITY OF WILMINGTON REQUIREMENTS.
6. FIRE LINE - 1" C RIB PVC PIPE FROM METER PIT TO BUILDING.
7. DOMESTIC - 1" THIS "C" COPPER TAPPED AT METERS AT END ROLL CURB PROVIDE 1/2" CLEAR HEIGHT TRANSDUCER.
8. 1" COPPER TAPPED @ 2.00' PER FOOT.
9. MATCH EXISTING CURB.
10. ADJUST OR RECONSTRUCT TO GRADE.
11. CONTRACTOR SHALL GRADE SITE FLOOR PROPOSED EXISTING ELEVATIONS. CONTRACTOR SHALL MOVE STOCKPILED TOPSOIL LOCATED ON A HOLLOW CONCRETE AND SPREAD ON THIS SITE (IF APPLICABLE).
12. BE AN PROPOSED 2" SANITARY SERVICE CONNECT TO EXISTING SANITARY SERVICE STUB.
13. WATER METER PIT AND CUT OF WILMINGTON REQUIREMENTS CONTAINMENT.
14. CONTRACTOR TO OBTAIN PERMITS WITH VALUE FOR SHEL CONTAINMENT.
15. REFER TO ARCHITECTURAL PLANS.
16. INSTALL TWO EMPTY CONDUITS (4") FOR FUTURE ELECTRIC USE. BLOCK AND MARK DUG.
17. THE PROPOSED SEWER INTO EXISTING STUB ON MANHOLE CONSTRUCTION TO FIELD VERIFY ACTUAL ELEVATION PRIOR TO CONSTRUCTION. RESULTS TO BE REPORTED TO PROJECT ENGINEER.
18. CONTRACTOR TO FIELD VERIFY ACTUAL ELEVATION PRIOR TO CONSTRUCTION. RESULTS TO BE REPORTED TO PROJECT ENGINEER.
19. CONSTRUCT 2" MIN. 4" THICK CONCRETE SIDEWALK PER DETAIL THIS SHEET. NOTE THAT CONCRETE SIDEWALK PER RESPONSIBILITY OF THE DEVELOPER.



MULLEN DRIVE

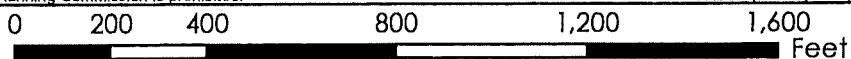
AERIAL MAP

www.boonecountygis.com



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1 inch equals 400 feet

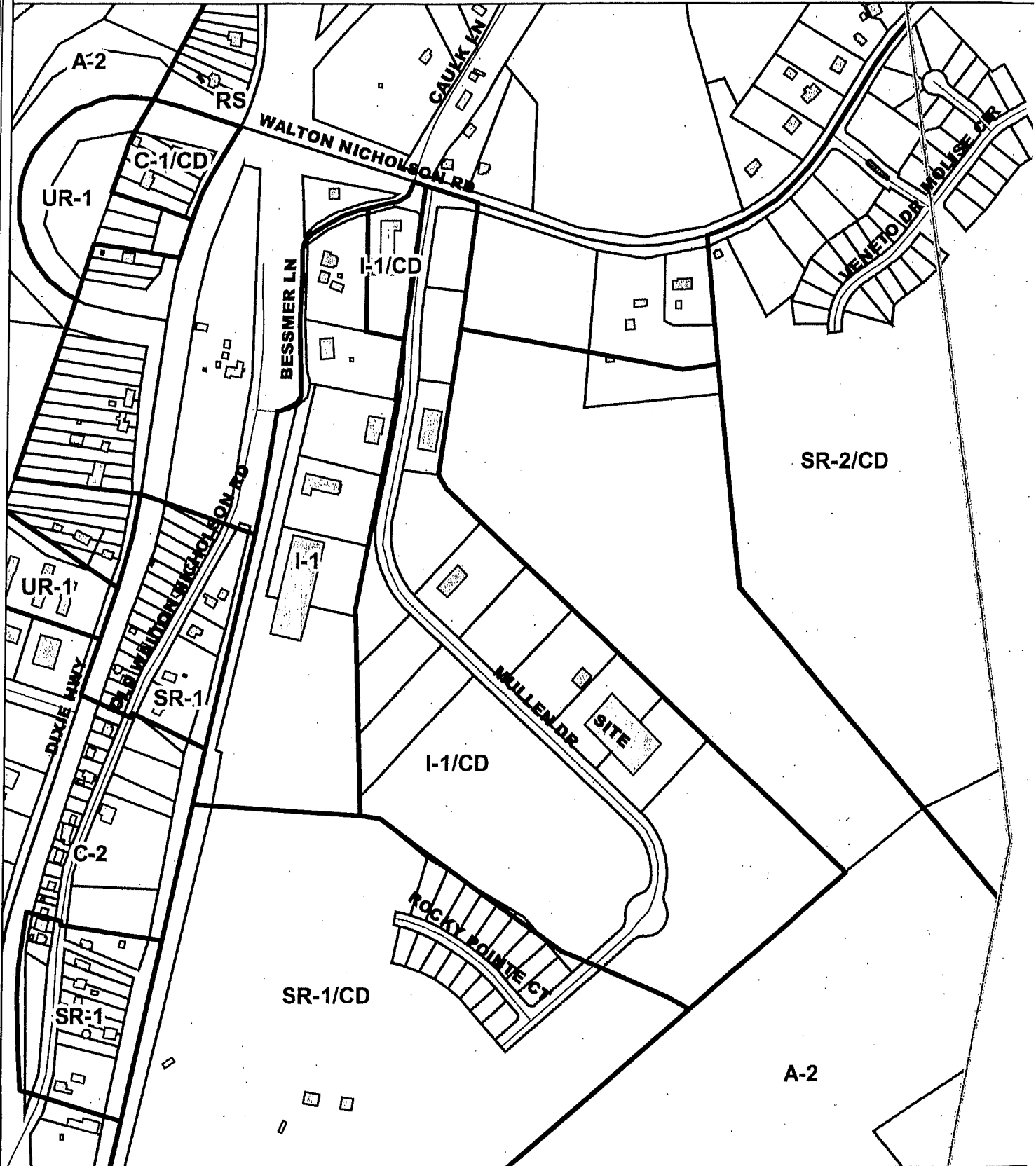


Boone County GIS - Putting Northern Kentucky on the Map



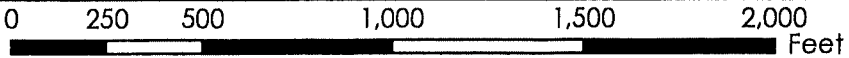
ZONING MAP

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1 inch equals 500 feet

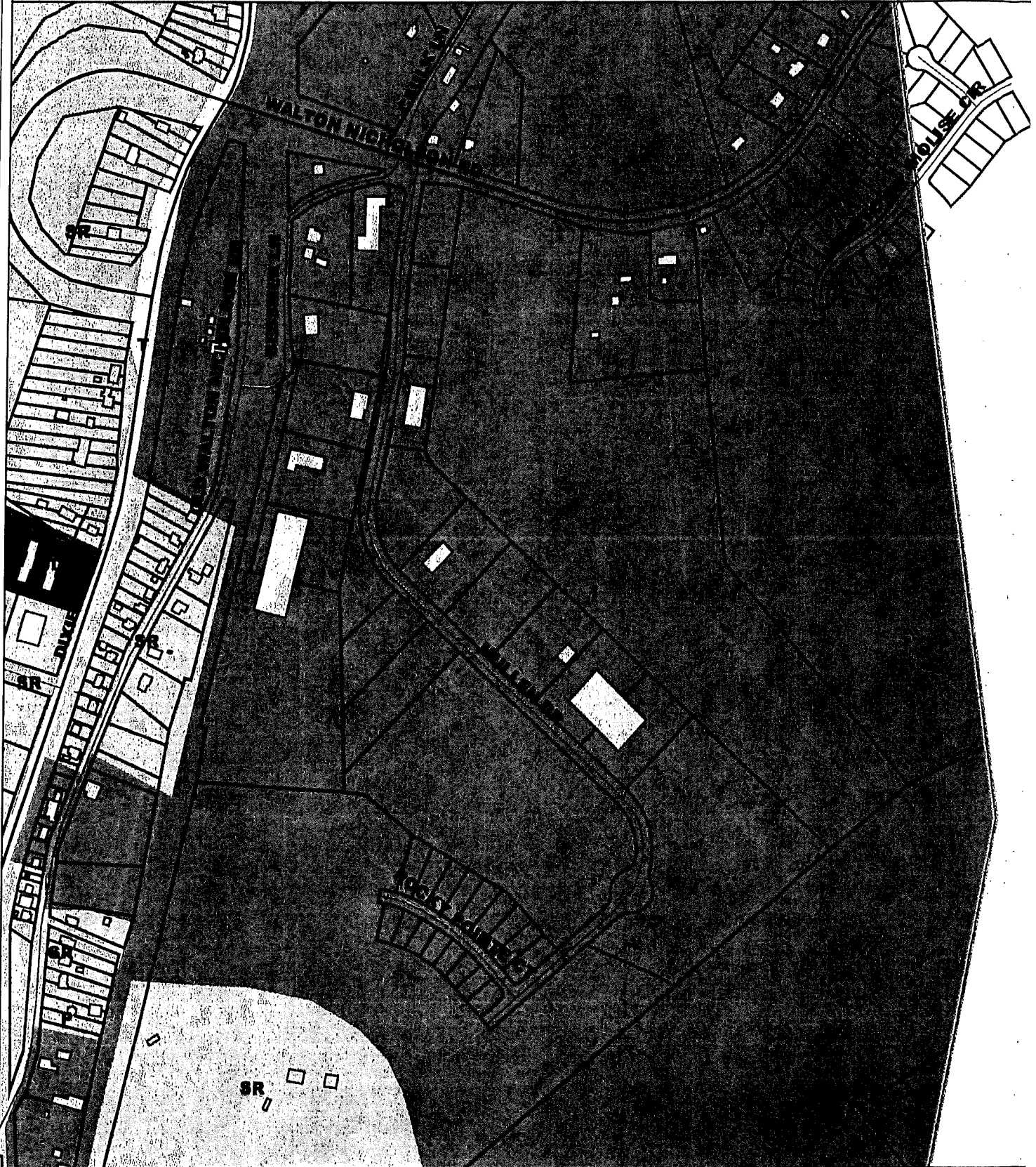


Boone County GIS - Putting Northern Kentucky on the Map



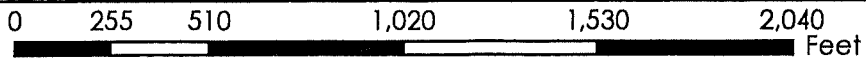
FUTURE LAND USE MAP

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1 inch equals 500 feet

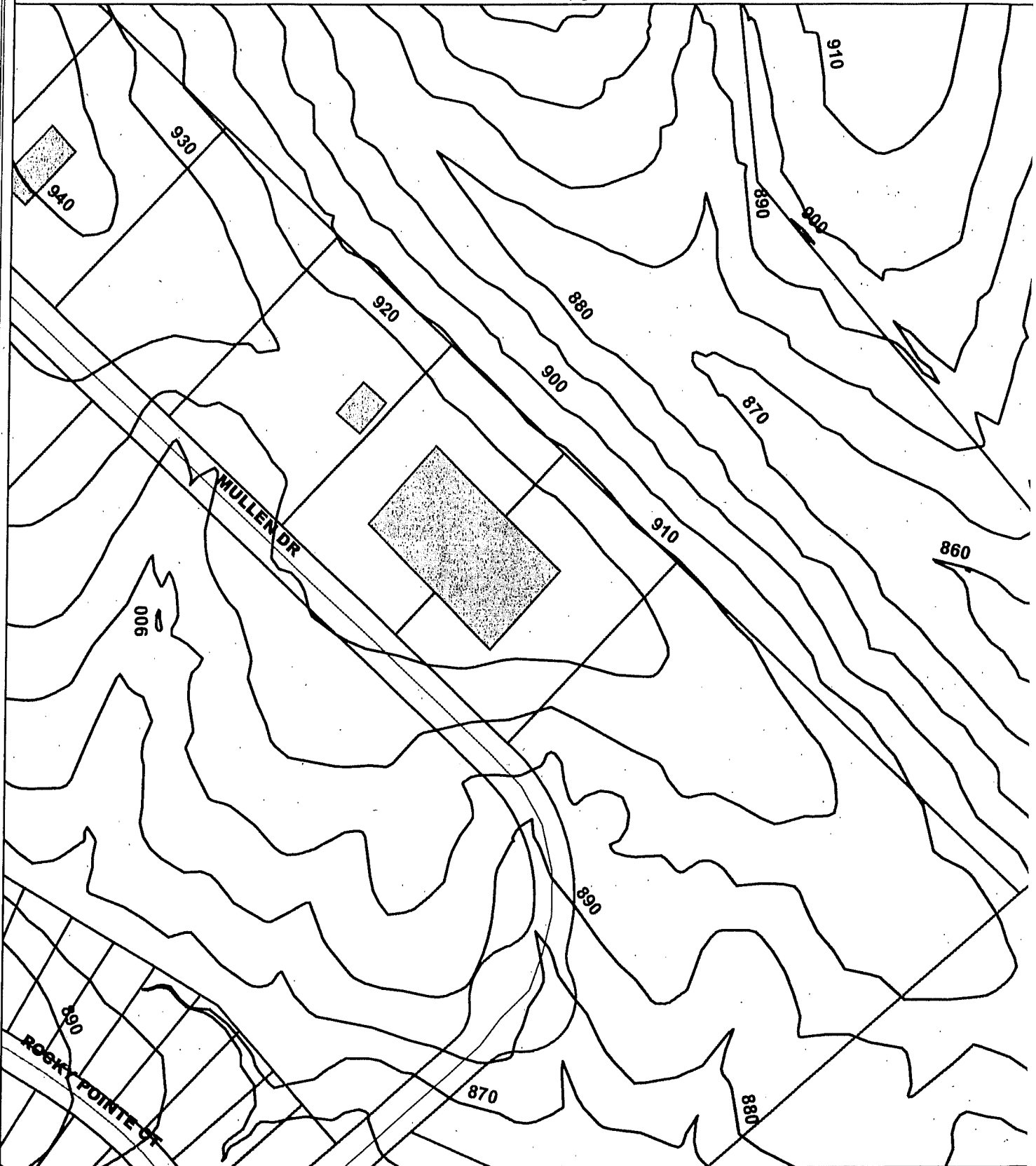


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TOPOGRAPHICAL MAP

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0 100 200 400 600 800 Feet

1 inch equals 200 feet



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APPLICATION FORM

RECEIVED
SEP 26 2007
BOONE COUNTY
PLANNING COMMISSION

BOARD OF ADJUSTMENT
AND
ZONING APPEALS ACTION
BOONE COUNTY PLANNING COMMISSION

See Boone County Zoning Regulations

SECTION A (To be completed by applicant)

(Check One)

1. Boone Florence Walton Union

(Check One)

2. Conditional Use Permit Variance Appeal
 Change in Non-Conforming Use

3. Applicant's Name Best Sanitizers, Inc.
Phone Number 1-888-225-3267 Fax No. 530-432-0752
Applicant's Address 17320 Penn Valley Drive, P. O. Box 1360
Penn Valley, California 95946

4. Description of Request: Building expansion with new process
and additional storage

5. Name of Development North Walton Commerce Park

6. Location of Development 154 Mullen Drive, Walton, Kentucky

7. Acreage Under Review 4 acres

8. Lot Number and Name of Subdivision (if part of a subdivision)
Lot #8 and #9 North Walton Commerce Park

9. Owner of Property Best Sanitizers, Inc.

Address of Property Owner 17320 Penn Valley Dr. Phone No. 888-225-3267
Penn Valley, California 95946

10. City State Zip

11. Proposed Use(s) on Site New process and storage of new sanitizing
products

12. Total Square Footage of Existing and/or Proposed Buildings ~~3,000~~ sf ~~3,000~~ 30,000

13. Current Zoning on Property I1

14. Deed Book 902 Page No. 194 Group No. 2080

15. Is the site subject to a zone change? No
If yes, give date of approval _____

16. Have you submitted a Site Plan with this request? Yes

17. Have you submitted a list of adjoining property owners with this request? Yes

18. I, or we, understand and agree that this application and drawing(s) are being filed in
accordance with the Boone County Zoning Regulations.

Applicant's Signature: Ed Hay

Property Owner's Signature: Ed Hay

COPY

CLUR #07-WBOA-003-A

CERTIFICATE OF LAND USE RESTRICTION

1. NAME AND ADDRESS OF PROPERTY OWNER(S)
Best Sanitizers, Inc.
17320 Penn Valley Drive
Penn Valley, CA 95946

2. ADDRESS OF PROPERTY
154 Mullen Drive
Walton, KY 41094
3. NAME OF SUBDIVISION OR DEVELOPMENT (if applicable)
Best Sanitizers, Inc.

4. DEED BOOK 902 PAGE NO. 194 GROUP NO. 2080

5. TYPE OF RESTRICTION(S) (Check all that apply)

 Zoning Map Amendment: Conditional Use Permit
From _____ To _____

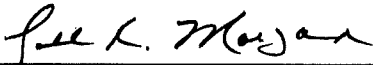
 Development Plan Conditional Zoning

 Subdivision Plat Other:
(Not Recorded)

 Variance

6. NAME AND ADDRESS OF PLANNING COMMISSION, BOARD OF ADJUSTMENT, LEGISLATIVE BODY OR FISCAL COURT WHICH MAINTAINS THE ORIGINAL RECORDS CONTAINING THE RESTRICTION

BOONE COUNTY PLANNING COMMISSION
2950 WASHINGTON STREET, ROOM 317
P.O. BOX 958
BURLINGTON, KENTUCKY 41005



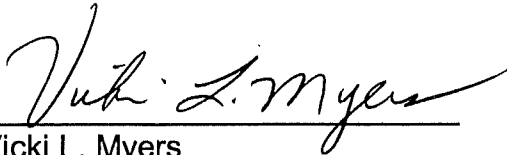
SIGNATURE OF COMPLETING OFFICIAL

Todd K. Morgan, Senior Planner, Zoning Services
Name and Title of Completing Official

COMMONWEALTH OF KENTUCKY

COUNTY OF BOONE

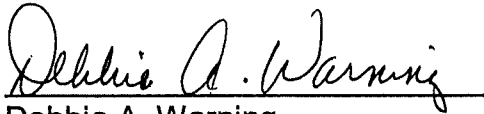
Subscribed, sworn to, and acknowledged before me by Todd K. Morgan on behalf of the
Boone County Planning Commission this 27 day of November, 2007.



Vicki L. Myers
NOTARY PUBLIC, State at Large

My commission Expires:
April 17, 2011

This instrument was prepared for recording purposes only by:



Debbie A. Warning
Boone County Planning Commission
2950 Washington Street, Room 317
P.O. Box 958
Burlington, Kentucky 41005

NO TITLE EXAMINATION

(Legal Description and source of Title and Group Number furnished by the applicant.)

CONDITIONS OF APPROVAL

The following Conditions of Approval apply to the Conditional Use Permit approved by the Walton Board of Adjustments and in accordance with the current zoning in effect as of November 19, 2007 Certificate of Land Use Restriction (#07-WBOA-003-A), for Best Sanitizers, Inc., Property Owner(s).

The following conditions will apply:

- 1) The applicant must meet all governmental regulations.

The approved Conditional Use Permit as well as the preceding conditions apply to the property described in:

DEED BOOK 902

PAGE NO. 194

GROUP NO. 2080