

MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF PRODUCT

Name: LIQUID LAUNDRY DETERGENT

Identity: Laundry Detergent

MSDS Number: 3531

Date: 3/25/2004

Supersedes: 6/5/2003

TOXICITY: 1

FIRE: 0

REACTIVITY: 0

PROTECTION: A

SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Name	CAS Number	PEL	TLV	%
Isopropanol	67-63-0	400 ppm	400 ppm	,3
Potassium Hydroxide	1310-58-3	2 mg/ 3	2 mg/ 3	1

SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:

212° F

Specific Gravity:

1.016 ± 0.005

Vapor Pressure

(mm Hg.): ND

Melting Point:

ND

Vapor Density

(Air = 1): 1

Evaporation

(H₂O = 1):1

Water Solubility:

Complete

pH @ 77F:

13.00 ± 0.5

VOCgm/L: 0

Appearance and Odor: Clear to amber liquid; Soapy odor

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (TCC):

None

% LEL:

ND

% UEL:

ND

Flammable Limits:

ND

Extinguishing Media: Appropriate to fire fuel source

Special Fire Fighting Procedures: Prevent breathing vapors. Wear SCBA and protective clothing.

Unusual Fire and Explosion: None known.

SECTION V. HEALTH HAZARD DATA

Route(s) of Entry: INHALATION? Yes EYES? Yes SKIN? Yes INGESTION? Yes

(Acute) Health Hazards:

Eyes: May cause irritation, redness

Skin: May cause irritation to sensitive skin

Ingestion: May cause gastric distress, colic, diarrhea

Inhalation: Not likely to cause ill effects

(Chronic) Health Hazards: None Known

Signs and Symptoms of Exposure:

Eyes: Dry feeling, irritation, stinging sensation

Skin: Prolonged exposure may cause irritation

Ingestion: Nausea & vomiting, diarrhea

Inhalation: Unlikely to be injurious

Medical Conditions Generally Aggravated by Exposure: Pre-existing contact site disorders.

Emergency First Aid Procedures:

Eyes: Flush eyes with large amounts of water, lifting upper and lower eyelids. If irritation persists, obtain medical attention.

Skin: Wash off with soap and water. Remove contaminated clothing and wash before reuse. If irritation persists, get medical attention.

Ingestion: Obtain immediate medical attention.

Inhalation: Remove to fresh air. If irritation persists, obtain medical attention.

SECTION VI. TOXICITY DATA

Carcinogenicity: NTP? No IARC No OSHA REGULATED? No

SECTION VII. REACTIVITY DATA

Stability: Stable **Hazardous Polymerization Will Not Occur**

Incompatibility (Materials to Avoid): None known

Hazardous Decomposition Byproducts: None known

SECTION VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled:

Small Spills: Mop up. Slippery on floor.

Large Spills: Prevent from entering sewers. Neutralize with soda ash

Disposal: Meet Federal, State & Local Requirements

Handling and Storage: Store in cool, dry well ventilated area. Keep container tightly closed when not in use.

Other Precautions: Keep out of reach of children. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY.

SECTION IX. CONTROL MEASURES

Respiratory Protection: Not normally indicated when used as indicated

Ventilation: Normal indoor

Local Exhaust: Not normally indicated

Mechanical (General): Not normally indicated

Protective Gloves: Latex, optional to prevent dry hands

Eye Protection: Chemical safety goggles; optional

Other Protective Clothing or Equipment: Long pants, sleeves, apron

Work/Hygienic Practices: The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because use conditions will vary, depending upon customer applications, specific safe handling procedures should be developed by persons knowledgeable of the intended use conditions and equipment.

SECTION X. DOT INFORMATION

NOT REGULATED

SECTION XI. MISCELLANEOUS INFORMATION

SARA 313: No

Notice: All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, manufacturer makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product.

NA – Not Available

NE- Not Established

ND – Not Determined