



**MATERIAL SAFETY DATA SHEET**  
 AND SAFE HANDLING AND DISPOSAL INFORMATION

ISSUE DATE: 01/21/92

SUPERSEDES: 03/21/90

Date printed: 04/14/98

Product No: 0472

Alcohol Free Solution

**SECTION II - HAZARDOUS INGREDIENTS**

| DESIGNATIONS   | (PPM) | EFFECTS (SEE NOTICE) | % IN PROD. |
|--|-------|----------------------|------------|
| ** SODIUM METASILICATE ** silicic acid (H <sub>2</sub> -Si-O <sub>3</sub> ) disodium salt; water glass; CAS# 6834-92-0; RTECS# VV9275000; OSHA Dust Limit-2mg/m <sup>3</sup> (for powders only). | N/D   | COR                  | 10-20      |
| ** POTASSIUM DODECYLBENZENE SULFONATE ** linear alkyl aryl sulfonate; CAS# 27177-77-1; RTECS# NONE OSHA PEL N/D  | N/D   | IRR                  | < 10       |

**SECTION III - HEALTH HAZARD DATA**

**SPECIAL NOTE:** MSDS data pertains to the product as dispensed from the container. Adverse health effects would not be expected under recommended conditions of use (diluted) so long as prescribed safety precautions are practiced.

**ACUTE EFFECTS OF OVEREXPOSURE:**

Concentrate may be corrosive to eyes and mucous membranes and solutions are severe eye irritants. Eye contact may result in corneal damage or blindness. Skin contact may produce irritation depending on length of contact time.

Inhalation may produce upper respiratory irritation characterized by sore throat or difficulty in breathing.

Ingredients in this product may aggravate existing skin, eye, or respiratory disorders.

**CHRONIC EFFECTS OF OVEREXPOSURE:**

Repeated or prolonged skin contact may produce chronic inflammation or dermatitis, characterized by redness, scaling, or itching. Repeated eye exposure may produce chronic inflammation of the eye or corneal damage.

None of the ingredients are listed as carcinogens by IARC, NTP, or OSHA.

EST'D PEL/TLV: Not established PRIMARY ROUTES OF ENTRY: N/A

HMS CODES: HEALTH 2; FLAM. 0; REACT. 0; PERS. PROTECT. B ; CHRONIC HAZ. NO

**FIRST AID PROCEDURES:**

**SKIN:** Immediately flush contaminated skin with plenty of water for at least 15 minutes. Get medical attention if irritation develops.

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting upper and lower lids. Get medical attention at once.

**INHALE:** Move exposed person to fresh air. If irritation persists, get medical attention promptly.

**INGEST:** If this product is swallowed, do not induce vomiting. If victim is conscious give plenty of water to drink. Get medical attention at once.

**SECTION IV - SPECIAL PROTECTION INFORMATION**

**PROTECTIVE CLOTHING:** Wear neoprene, nitrile, or natural rubber gloves or gloves with proven resistance to the ingredients listed.

**EYE PROTECTION:** Wear splash-proof safety goggles especially if contact lenses are worn.

**RESPIRATORY PROTECTION:** Keep face away from spray mist and do not breathe vapors.

**VENTILATION:** Provide local exhaust/ventilation as needed to keep concentration of vapors below exposure limits (PEL/TLV).

**SECTION V - PHYSICAL DATA**

|                            |                  |                              |           |
|----------------------------|------------------|------------------------------|-----------|
| BOILING POINT (F):         | - 220            | SPECIFIC GRAVITY:            | 1.15      |
| VAPOR PRESSURE(MMHG):      | N/D              | EVAPORATION RATE (WATER=1):  | 1.0       |
| VAPOR DENSITY(AIR=1):      | N/D              | PHI CONCENTRATE):            | 13.0-13.3 |
| SOLUBILITY IN WATER:       | COMPLETE         | PHI (USE DILUTION OF 1:100): | 11.2-11.5 |
| VOC CONTENT (CONCENTRATE): | 0.0% 0.00 lb/gal |                              |           |

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Product No: 0472 SECTION V - PHYSICAL DATA (continued)

APPEARANCE AND ODOR: CLEAR, THIN, AMBER LIQUID WITH FAINT ODOR

#### SECTION VI - FIRE AND EXPLOSION DATA

FLASH POINT(C) (METHOD USED): N/A

FLAMMABLE LIMITS: LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: Noncombustible

SPECIAL FIRE FIGHTING: None

UNUSUAL FIRE HAZARDS: May decompose to form toxic/corrosive gases

#### SECTION VII - REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY(AVOID): Strong oxidizing agents

POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION: Carbon dioxide, carbon monoxide and toxic/corrosive fumes as oxides of phosphorous

#### SECTION VIII - SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Observe *safety precautions* in sections 4 & 9 during clean-up. Absorb spill on an inert absorbent material (e.g. Zep-O-Zorb); pick up and place in a clean D.O.T. specification container for disposal. Wash area thoroughly with a detergent solution and then rinse well with water.

WASTE DISPOSAL METHOD:

Liquids cannot be sent to landfills unless solidified. Unusable product and some collected, spent use dilutions may require disposal as a hazardous waste at a permitted treatment/storage/disposal facility. In most states hazardous wastes in total amounts of 220 lbs. or less per month may be disposed of in a chemical or industrial waste landfill. If company effluent is ultimately treated by a publicly owned treatment works, neutralization of spent tank solutions with subsequent discharge to the sewer may be possible. Consult local, state and federal agencies for proper disposal method in your area.

RCRA HAZ. WASTE NOS.: D002

#### SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN WHEN HANDLING AND STORING:

Store tightly closed container in a dry area at temps. between 40-120 degrees F

Store away from strong acids and oxidizing compounds.

Keep product away from skin and eyes.

Do not breathe spray mists or vapors.

Keep away from food and food products.

Clothing or shoes which become contaminated with substance should be removed promptly and not re-worn until thoroughly cleaned.

Keep out of the reach of children.

#### SECTION X - REGULATORY INFORMATION

DOT PROPER SHIPPING NAME: INDUSTRIAL CLEANERS NO.1 LIQUID KEEP FROM FREEZING

NOTE: DOT information applies to larger package sizes of affected products. For some products, DOT may require alternate names and labeling in accordance with packaging group requirements.

DOT HAZARD CLASS: DOT PACKING GROUP:

DOT I.D. NUMBER: DOT LABEL/PLACARD:

EPA TSCA CHEMICAL INVENTORY ALL INGREDIENTS ARE LISTED

EPA CWA 40CFR PART 117 SUBSTANCE(RQ IN A SINGLE CONTAINER): NONE

FOR OUR CALIFORNIA CUSTOMERS:

PROPOSITION 65 CHEMICAL(S) IN THIS PRODUCT IS/ARE:

NONE