

PRODUCT

MERAS 520 SURE



MATERIAL SAFETY DATA SHEET

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EMERGENCY CONTACT:
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SECTION I - PRODUCT IDENTIFICATION

TRADE NAME: 520 SURE
DESCRIPTION: Alkaline-solvent cleaner
DATE REVISED: 9/28/03

SECTION II - HAZARDOUS INGREDIENTS

| | | | |
|---------------------------------|--------------------------|--|------------------------------|
| Potassium hydroxide | Alkaline-solvent cleaner | CAS NUMBER: 1310-58-3 | OSHA TWA: N.E. N.A. |
| | | ACGIH TLV: 2 mg/m ³ ceiling | |
| | | % BY WT: 3-6% | OSHA PEL: 2mg/m ³ |
| Dipropylene glycol methyl ether | Alkaline-solvent cleaner | CAS NUMBER: 34590-94-8 | OSHA TWA: N.E. N.A. |
| | | ACGIH TLV: 606 mg/m ³ ceiling | |
| | | % BY WT: 4-8% | OSHA PEL: 100 ppm |

SECTION III - PHYSICAL DATA

APPEARANCE: Clear blue liquid
ODOR: Detergent
SOLUBILITY IN WATER: Complete
BOILING POINT: IBP 218 °F SPECIFIC GRAVITY (H₂O=1): 1.1-1.4
VAPOR PRESSURE (mm Hg): N.A. VAPOR DENSITY (AIR=1): N.A.
EVAP RATE (WATER=1): N.A. pH: 13+

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N.A. FLAMMABILITY LIMITS/LEL: N.A. UEL: N.A.

EXTINGUISHING MEDIA

Water spray, carbon dioxide, foam, or dry chemical

SPECIAL FIREFIGHTING PROCEDURES

None

UNUSUAL FIRE AND EXPLOSION HAZARD

Contact with some metals (magnesium, aluminum, galvanized zinc) can generate hydrogen gas

SECTION V - REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: Acids, heat, contact with iron or aluminum or copper metals.
Avoid contact with organic contaminants.

INCOMPATIBILITY (Materials to avoid)

Avoid strong oxidizing agents, soft metals, acids, heat.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Oxides of potassium and other earth elements

SECTION VI - HEALTH HAZARD DATA

PRIMARY ROUTE OF ENTRY: Eye, skin, ingestion

SIGNS AND SYMPTOMS OF EXPOSURE

Acutely corrosive substance. Very corrosive to tissues. Routes of exposure are eyes, skin, ingestion, and breathing heated vapors. Dust or mist can cause irritant dermatitis.

EMERGENCY AND FIRST AID PROCEDURES

SKIN: Immediately wash affected area thoroughly with soap and water for 15 minutes. Remove any contaminated clothing and launder before reuse.

EYES: Flush eyes with copious amounts of water, making sure eye lids are kept open. Seek medical attention if irritation persists. Seek medical attention immediately.

INGESTION: Have victim drink several glasses of water or milk. Do not force an unconscious person to drink anything by mouth. DO NOT INDUCE VOMITING. Contact a physician or poison control center.

INHALATION: Not a respiratory irritant. However, heated vapors containing this product may be irritating. Remove from area to fresh air.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND STORAGE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Small spills (less than 1 gallon) may be flushed, after neutralization with vinegar or citric acid, to an approved sewer line (with large amounts of water). Larger spills should be absorbed and collected for disposal, or collected with an industrial vacuum truck.

WASTE DISPOSAL METHOD

Dispose with in accordance with all federal, state, and local regulations. Do not release the concentrated or diluted product directly into storm drains, or undedicated surface or groundwater supplies. This product is environmentally biodegradable under all conditions associated with normal use.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Do not contaminate water, food, or feed by storage or disposal. Keep product in tightly closed container when not in use. Do not drop, roll, or skid drum. Store in a cool, dry, well ventilated area away from heat or open flame. Triple rinse container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke

OTHER PRECAUTIONS

DO NOT REUSE CONTAINER. Wash thoroughly after handling. For industrial or commercial use only. Keep away from children and animals.

SECTION VIII - CONTROL MEASURES

VENTILATION

Forced air, local exhaust, or open air is adequate

PROTECTIVE CLOTHING AND EQUIPMENT

Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product

WORK / HYGIENIC PRACTICES

Handle the concentrated product with extreme care.

SECTION IX - REGULATORY INFORMATION

CERCLA STATUS N.A.
SARA/TITLE III N.A

SECTION X - OTHER REGULATORY INFORMATION

NE = NOT ESTABLISHED

NA = NOT APPLICABLE

This information is given in good faith. No warranty, express or implied, is made.