

MATERIAL SAFETY DATA SHEET

Total Solutions
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Milwaukee, WI 53224



GENERAL INFORMATION NUMBER: (414) 354-6417
CHEMTREC: (800) 424-9300

REVISION DATE: November 9, 2004
DATE OF ISSUE: November 9, 2004

I - Product Identification

Grease Cutter

PRODUCT CODE: 0426

CHEMICAL FORMULATION: Water based alkaline cleaner.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
2-Butoxyethanol	1.00-10.0	25 ppm (skin)	50 ppm (skin)	N	N	Y	111-76-2
Potassium hydroxide	1.00-5.00	2 mg/m ³ C	2 mg/m ³ C	Y	N	N	1310-58-3
Sodium Tripolyphosphate	1.00-10.0	N/E	N/E	Y	N	N	7758-29-4
Alkylbenzene Sulfonic Acid	1.00-5.00	N/E	N/E	N	N	N	27176-87-0
Poly (oxyethylene) nonylphenol	<2.00	N/E	N/E	N	N	N	9016-45-9
Cocodiethanolamide	<2.00	N/E	N/E	N	N	N	68603-42-9
Sodium Xylene Sulfonate	<2.00	N/E	N/E	N	N	N	1300-72-7

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/D SPECIFIC GRAVITY (WATER = 1): 1.09
VAPOR PRESSURE (mm Hg): N/D VOC CONTENT (% by weight): 1.00 10.0
VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): N/D
SOLUBILITY IN WATER: Soluble pH: 12.50-14.00
APPEARANCE AND ODOR: Clear, blue liquid; slight detergent odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): None (TEST METHOD): Closed cup
FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/A LOWER: N/A
EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES: Cool drums in vicinity of fire with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARD: None.

V - Reactivity Data

STABILITY: Stable.

INCOMPATIBILITY: Strong acids, aluminum, tin and zinc

CONDITIONS TO AVOID: None.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY **INHALATION:** X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:** X

INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None.

EFFECTS OF OVEREXPOSURE

IF IN EYES: Corrosive-Severe irritation, destruction of tissue, redness, swelling and tearing, possibly resulting in blindness.

IF ON SKIN: Severe irritation with prolonged or repeated exposure, burns and dermatitis.

IF SWALLOWED: DANGER-Harmful or fatal if swallowed. Severe burns, destruction of tissue.

IF INHALED: Irritation of respiratory tract.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Call physician immediately and continue flushing until medical attention is obtained.

IF ON SKIN: Flush with plenty of cool water for at least 15 minutes while removing contaminated clothing. Obtain medical attention. Launder clothing separately before re-use.

IF SWALLOWED: Contact physician or poison control center immediately. Rinse mouth with water. Give person 1 to 2 glasses of water, followed by citrus fruit juice. Never give anything by mouth to an unconscious person.

IF INHALED: Remove person to fresh air. If breathing has stopped, administer artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area and contain spill. Soak up spilled material with inert absorbent material and place in a closed container for disposal. Flush residue away with large amounts of water.

WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.

VENTILATION

LOCAL: Recommended

MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Chemical goggles and/or face shield.

OTHER PROTECTIVE EQUIPMENT: Protective clothing, emergency shower and eye wash station.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry area, away from acids. Do not mix with any other cleaning chemical. Never add water to this product; always add this product to water, slowly stirring. Rinse container before discarding.

Keep container tightly closed when not in use.

OTHER PRECAUTIONS: Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: Compounds, cleaning liquid (Potassium hydroxide)

DOT CLASS: 8

DOT ID NUMBER: NA1760

DOT PACKING GROUP: III

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

REVISION DATE: November 9, 2004

Prepared by: PMR

DATE OF ISSUE: November 9, 2004

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