

MATERIAL SAFETY DATA SHEET

#38167

(D)

Complies with OSHA's 29 CFR 1910.1200 and State Hazard Communication Standards.

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SECTION 1

PRODUCT IDENTITY: HI-VIS 20

DATE PREPARED: 2/25/91

NFPA/HMIS HAZARD CODES (minimal = 0; slight = 1; moderate = 2; serious = 3; severe = 4)
Health: 3/3 Fire: 0/0 Reactivity: 1/1 Special: NA

SECTION 2: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS #	OSHA-PEL	ACGIH-TLV	% BY WT.
Potassium hydroxide	1310-58-3	2 mg/M ³ (ceiling)	2 mg/M ³ (ceiling)	20

Also contains thickeners, solvent, surfactants, penetrating agents and water.

See SECTION 7 for other REGULATORY INFORMATION

SECTION 3: PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: 220°F
VAPOR PRESSURE: Less than 39 mm Hg
VAPOR DENSITY (air = 1): Undetermined
SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY: 1.25 @ 70°F
PERCENT VOLATILE: 55
EVAPORATION RATE: As water
pH: 14

APPEARANCE AND ODOR: Dark brown, viscous semi-gel; mild solvent odor

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None FLAMMABLE LIMITS: NA
EXTINGUISHING MEDIA: As for surrounding fire (product will not burn).
SPECIAL FIREFIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: As with any alkali containing solution, can react with aluminum, zinc, or other "soft" metals generating hydrogen. This gas is flammable and/or explosive in the presence of an ignition source.

SECTION 5: REACTIVITY DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: None
INCOMPATIBILITY: Do not mix with acids. Avoid contact with aluminum, zinc, tin, or galvanized metals.
HAZARDOUS DECOMPOSITION PRODUCTS: None

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SECTION 6: HEALTH HAZARD DATA

ROUTES OF ENTRY/SIGNS AND SYMPTOMS OF EXPOSURE: **ACUTE:** Eyes: causes severe burns; possible permanent eye damage, even blindness. Skin: irritant; prolonged contact causes severe burns which may not be immediately painful or visible. Inhalation: of spray mist irritating; possible damage to mucous membranes of nose and throat. Ingestion: severe burns to mucous membranes of mouth, throat and digestive tract.

CHRONIC EFFECTS: Dermatitis; possible respiratory damage from excessive inhalation of mists.

CARCINOGENS: None under OSHA, IARC or NTP.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Respiratory (from inhalation of mists).

EMERGENCY AND FIRST AID PROCEDURES: Eyes: immediately flush with plenty of water for at least 15 minutes. Skin: flush with water for 15 minutes while removing contaminated clothing. Inhalation: remove to fresh air. Ingestion: DO NOT INDUCE VOMITING. Dilute by drinking water (milk if available). Never give anything by mouth to an unconscious person. In all cases, get immediate medical attention.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURES: **SMALL SPILLS:** Flush down drain with water.

LARGE SPILLS: Dike to prevent runoff, reclaim all possible. Absorb with inert material and place in suitable containers. Flush residues away with water.

WASTE DISPOSAL METHOD: Trained and properly equipped personnel may dilute and neutralize waste very carefully with dilute acid and dispose of in accordance with Federal, State and local regulations.

HANDLING AND STORING: Danger: concentrated, caustic product. Do not get on skin or in eyes. Do not breathe spray mist.

OTHER PRECAUTIONS: Store in a cool, dry area. Do not store near strong acids. Keep container closed when not in use. Keep out of reach of children.

REGULATORY INFORMATION: SARA Title III Section 313 reportable as Chemical Category (Glycol ethers, no CAS number): Diethylene glycol methyl ether; 111-77-3, 8% (HI-VIS 20).

SECTION 8: CONTROL MEASURES

RESPIRATORY PROTECTION: Not normally required. NIOSH approved dust or mist respirator if mist in air exceeds exposure limits or causes irritation.

VENTILATION: Local exhaust as needed if mist in air.

GLOVES: Rubber or neoprene

EYE PROTECTION: Chemical splash goggles or face shield

OTHER PROTECTIVE EQUIPMENT: As needed to prevent contact with skin or clothing.

WORK/HYGIENIC PRACTICES: Read product label before using. Wash skin thoroughly after handling. Wash contaminated clothing before reuse.

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.