



MATERIAL SAFETY DATA SHEET

REVISION DATE: 02/12/2013

REVISION NUMBER:

5

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PREPARED BY:

EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **HI VIS SPRAY GEL**

PRODUCT CODE: 118947

NFPA/HMIS HAZARD CODES(minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 3/3

Fire: 0/0

Reactivity: 1/1

Special/Protective Equipment: ALK/C

NAME OF THE MANUFACTURER: Rochester Midland Corporation
155 Paragon Drive
Rochester, New York 14624
USA

Emergency Phone:
INFOTRAC: 1-800-535-5053
OUTSIDE US: 1-352-323-3500

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Severe burns to mucous membranes of mouth, throat and digestive tract.
SKIN CONTACT: Prolonged contact causes severe burns which may not be immediately painful or visible.
INHALATION: Inhalation of mist will irritate mucous membranes. Can cause damage to mucous membranes of nose, throat, respiratory tract and lung tissue depending on severity of exposure.
EYE CONTACT: Causes severe eye burns. May cause permanent eye damage. May cause blindness.
CHRONIC EFFECTS: None expected in normal use. Long term overexposure to some glycol ethers by skin absorption or inhalation may cause kidney, liver, or blood effects based on animal testing.
EFFECTS/CARCINOGENICITY: None listed under OSHA, IARC, or NTP.
ROUTES OF ENTRY: Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELs
SODIUM HYDROXIDE 1310-73-2	10 - 15	Not applicable	2 mg/m ³
POTASSIUM HYDROXIDE 1310-58-3	5 - 10	Not applicable	Not applicable
Diethylene glycol butyl ether 112-34-5	1 - 2	Not applicable	Not applicable
Sodium Glucoheptonate 31138-65-5	1 - 5	Not applicable	Not applicable

4. FIRST AID MEASURES

INGESTION: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person. If vomiting occurs, give additional water.

SKIN: Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Continue rinsing until "slippery" feeling is gone. Get medical attention if irritation or burns develop.

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4. FIRST AID MEASURES

INHALATION:	If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.
EYES:	Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.
NOTES TO PHYSICIAN:	None.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	(F): None (C): None
METHOD:	None
FLAMMABLE LIMITS IN AIR	
LOWER (%):	No data
UPPER (%):	No data
SENSITIVITY TO MECHANICAL IMPACT(Y/N):	NO
SENSITIVITY TO STATIC DISCHARGE:	Sensitivity to static discharge is not expected.
SUITABLE EXTINGUISHING MEDIA:	Product will not burn.
FIRE FIGHTING PROCEDURES:	Corrosive material. Avoid exposure to mist and splashes. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

6. ACCIDENTAL RELEASE MEASURES

<u>SPILL PROCEDURES:</u>	
SMALL SPILLS:	Reclaim as much as possible. Pick up with absorbant material. Flush residue with water.
LARGE SPILLS:	Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water. Releases of some glycol ethers may be CERCLA reportable.
PERSONAL PRECAUTIONS:	Not applicable
ENVIRONMENTAL PRECAUTIONS:	Not applicable
METHODS FOR CLEANING UP:	Not applicable

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	DANGER: Concentrated, caustic material. Avoid contact with eyes, skin and clothing. Do not breathe dusts or mists. Store indoors. Store only in original container and keep closed. Store in a cool, dry area. Store in a well ventilated area.
OTHER PRECAUTIONS:	Do not reuse container. Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied. Contact with certain food sugars can release hazardous amounts of carbon monoxide gas in enclosed vessels. Read and follow label instructions.
SPECIFIC USE(S):	Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:	Use in a well ventilated area.
RESPIRATORY PROTECTION:	Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.
PROTECTIVE GLOVES:	Nitrile, neoprene, or other appropriate gloves are recommended to minimize hand skin contact.
EYE PROTECTION:	Goggles and face shield are recommended to minimize eye contact.
OTHER PERSONAL PROTECTION EQUIPMENT:	Appropriate protective clothing as needed to prevent skin contact. Eyewash fountains and safety showers must be easily accessible. Liquid may penetrate leather shoes and cause delayed burns. It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product.

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VENTILATION: General mechanical and/or local exhaust as needed to meet exposure limits if mist in air.
Corrosion resistant equipment recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Dark brown. Viscous gel. Mild solvent odor.
BOILING POINT (F):	220° F (C) 104.4° C
VAPOR PRESSURE:	Less than 39 mm Hg
VAPOR DENSITY (AIR=1):	Not determined
SOLUBILITY IN WATER:	Not determined
SPECIFIC GRAVITY:	1.27 - 1.29
VOC Content (%):	Not determined
EVAPORATION RATE:	Not determined
PH:	> 14

10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	Oxides of Carbon. Oxides of Nitrogen.
INCOMPATIBILITY (MATERIALS TO AVOID):	Avoid contact with concentrated acids; may cause violent reactions. Avoid contact with aluminum, zinc, other soft metals or galvanized metals.
CONDITIONS/HAZARDS TO AVOID:	None.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Not Established
EFFECTS OF CHRONIC EXPOSURE:	Not established.
OTHER TOXIC EFFECTS:	Not established.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:	No data at this time
CHEMICAL FATE INFORMATION:	No data at this time.
MOBILITY:	Not applicable.
PERSISTENCE/DEGRADABILITY:	Not applicable
BIOACCUMULATIVE POTENTIAL:	Not applicable
OTHER ADVERSE EFFECTS:	Not applicable

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

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PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
SODIUM HYDROXIDE 1310-73-2	10 - 15	Listed	Listed	Listed	Not Listed
POTASSIUM HYDROXIDE 1310-58-3	5 - 10	Listed	Listed	Listed	Not Listed
Diethylene glycol butyl ether 112-34-5	1 - 2	Listed	Listed	Listed	Not Listed
Sodium Glucoheptonate 31138-65-5	1 - 5	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
SODIUM HYDROXIDE 1310-73-2	10 - 15	1000 lb 454 kg	Not Listed	Not Listed
POTASSIUM HYDROXIDE 1310-58-3	5 - 10	1000 lb 454 kg	Not Listed	Not Listed
Diethylene glycol butyl ether 112-34-5	1 - 2	Not Listed	Not Listed	Not Listed
Sodium Glucoheptonate 31138-65-5	1 - 5	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
SODIUM HYDROXIDE 1310-73-2	10 - 15	Listed
POTASSIUM HYDROXIDE 1310-58-3	5 - 10	Listed
Diethylene glycol butyl ether 112-34-5	1 - 2	Listed

The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	MARTK:
SODIUM HYDROXIDE 1310-73-2	10 - 15	Listed
POTASSIUM HYDROXIDE 1310-58-3	5 - 10	Listed

The following components of this material are included in the New Jersey Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	NJRTK:
SODIUM HYDROXIDE 1310-73-2	10 - 15	Listed
POTASSIUM HYDROXIDE 1310-58-3	5 - 10	Listed
Diethylene glycol butyl ether 112-34-5	1 - 2	Listed

The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	PARTK:
SODIUM HYDROXIDE 1310-73-2	10 - 15	Listed
POTASSIUM HYDROXIDE 1310-58-3	5 - 10	Listed
Diethylene glycol butyl ether 112-34-5	1 - 2	Listed

16. OTHER INFORMATION

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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.

***** END OF MSDS *****