

# Material Safety Data Sheet

GruberCare MR HiTec  
Revision Date: 9 April 2011  
Revision No: 11

## 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

IDENTIFICATION OF SUBSTANCE/PREPARATION: MR HiTec  
SYNONYMS: Polymeric Solution  
APPLICATIONS: Industrial Mold release agent

### MANUFACTURER/SUPPLIER:

Gruber Systems  
25636 Ave. Stanford  
Valencia CA 91355  
USA

Tel: (661) 257-4060 (800) 257-4070  
Fax: (661) 257-4791  
Email: info@gruber-systems.com  
Web: www.gruber-systems.com

EMERGENCY TELEPHONE NO: (800) 255-3924 (within the U.S.) (Chemtel)  
(813) 248-0585 (outside the U.S.) (Chemtel)

## 2 COMPOSITION/INFORMATION ON INGREDIENTS

| Name   | Concentration   | ACGIH TLV | OSHA PEL | OTHER       |
|--|-----------------|-----------|----------|-------------|
| <b>NAPHTA (PETROL.) HYDROTREATED HEAVY</b><br>C.A.S. number 64742-48-9     | 2,00-5.00<= C   | None      | None     | 400 ppm TWA |
| <b>NAPHTHA (PETROLEUM), HYDROTREATED LIGHT</b><br>C.A.S. number 64742-47-0 | 93,00-98.00<= C | None      | None     | 400 ppm TWA |

## 3 HAZARDS IDENTIFICATION

HMIS CLASSIFICATION Health 1  
Flammability 3  
Physical Hazard 0  
Personal Protection: See section 8

### HEALTH HAZARD:

- Irritating to skin
- Harmful: may cause lung damage if swallowed.
- Vapours may cause drowsiness and dizziness.

### ENVIRONMENTAL HAZARDS:

- Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

### PHYSICAL AND CHEMICAL HAZARDS / FIRE AND EXPLOSION HAZARDS

- Highly Flammable. Extreme Hazard. Leaks of gas or spills of liquid can readily form flammable mixtures at temperatures at or above the flash point.
- Static discharge. Product can accumulate static charges which can cause an incendiary electrical discharge.

## 4 FIRST AID MEASURES

INHALATION: Immediately remove the affected victim from exposure. Administer artificial respiration if breathing has stopped. Keep at rest. Call for prompt medical attention.

INGESTION: If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

SKIN: Flush with large amounts of water, use soap if available. Remove grossly contaminated clothing, including shoes, and launder before re-use.

EYES: Prompt wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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## 5 FIRE FIGHTING MEASURES

### EXTINGUISHING MEDIA:

- If possible shut of the source of fuel to fire.
- Foam, dry chemical, Carbon dioxide (CO<sub>2</sub>) or water spray to extinguish fire.

### SPECIAL FIRE FIGHTING PROCEDURES:

- Avoid spraying water directly into storage containers due to danger of boil over.
- Containers may explode if exposed to fire.

### HAZARDOUS COMBUSTION PRODUCTS:

- Fumes, smoke, carbon dioxide (CO<sub>2</sub>), and carbon monoxide (CO).

## 6 ACCIDENTAL RELEASE MEASURES

Prevent liquid entering sewers, watercourses or low areas. Eliminate sources of ignition. Inform authorities if large amounts are involved.

**SPILLAGE:** Provide ventilation and confine spill. Mop/wipe as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Caution: Floor may become slippery when wet or after cleaning if the product has not been totally removed. In handling of spillage, please also consult the section 8 for detailed protective equipment.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS:

- Handle and open containers with care.
- DO NOT handle near to an open flame, sources of heat or sources of ignition.

### STORAGE:

- Keep container closed.
- Store in a cool, well ventilated place away from incompatible materials.
- DO NOT store near open flame, sources of heat or sources of ignition.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Use explosion proof mechanical ventilation and local exhaust to control contaminants to within their occupational exposure limits during the use of this product.

**Respiratory protection:** Use a NIOSH approved respirator if ventilation is inadequate.

**Skin Protection:** Use chemical resistant, impermeable clothing including gloves and aprons.

**Eye Protection:** Use chemical resistant safety glass

The use of local exhaust ventilation is recommended to control process emissions near the source. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment. During application and drying, traces of solvent vapours will be emitted. Ventilate well. Avoid breathing vapours. Avoiding spilling, skin and eye contact. Use approved respirator if air contamination is above accepted level. Wear full protective clothing for prolonged exposure and/or high concentrations.

### PROTECTIVE EQUIPMENT:

**RESPIRATORY PROTECTION:** Provide adequate general and local exhaust ventilation. At least 10 air changes per hour are recommended. If high concentrations of vapours in air recommended to use a half face filter mask to protect from over exposure by inhalation.

**HAND PROTECTION:** Recommend to wear chemical resistant gloves. Gloves should be replaced immediately if signs of degradation are observed.

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EYE PROTECTION: Wear approved chemical safety glasses/goggles where eye exposure is possible. Contact lenses should not be worn when working with this chemical.

## OTHER PROTECTIVE EQUIPMENT AND HYGIENIC WORK PRACTICES:

Wear appropriate clothing to prevent any possibility of skin contact. Wash promptly if skin becomes contaminated. Wash at the end of each shift and before eating, smoking and using the toilet. Provide eye wash.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

|                                  |                                 |
|----------------------------------|---------------------------------|
| APPEARANCE:                      | Liquid                          |
| COLOUR:                          | Clear, colourless               |
| ODOUR:                           | Slight hydrocarbon/amine        |
| SOLUBILITY IN WATER:             | >.01%                           |
| BOILING POINT (°C, interval) :   | NA                              |
| DENSITY/SPECIFIC GRAVITY (g/ml): | 0.736 @ 23°C                    |
| VAPOUR DENSITY (air = 1):        | >1                              |
| VAPOUR PRESSURE:                 | >10mmHg @ 20°C                  |
| VOLATILITY DESCRIPTION:          | Volatile                        |
| EVAPORATION RATE :               | >1 REFERENCE: Butyl Acetate = 1 |
| FLASH POINT:                     | >27° C >80.6°F                  |
| IGNITION TEMPERATURE             | >200°C >392° F                  |
| EXPLOSIVE PROPERTIES             | NA                              |
| SPECIFIC GRAVITY                 | +/- .05 .762 KG per L           |

## 10 STABILITY AND REACTIVITY

|                                   |   |
|-----------------------------------|---|
| STABILITY:                        | Stable.   |
| CONDITIONS TO AVOID:              | Heat, Sparks, Open flames. Other sources of ignition. |
| MATERIALS TO AVOID:               | Strong oxidising agents.                              |
| HAZARDOUS DECOMPOSITION PRODUCTS: | Material does not decompose at ambient temperatures.  |

## 11 TOXICOLOGICAL INFORMATION

|             |   |
|-------------|---|
| INHALATION: | High vapour concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract may cause headaches, drowsiness, and dizziness, are anaesthetic and may have other central nervous system effects |
| INGESTION:  | Small amounts of liquid aspirated into respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema. (Minimal toxicity).   |
| SKIN:       | Frequent or prolonged contact may irritate and cause dermatitis.  |
| EYES:       | May cause mild, short-lasting discomfort to eyes.   |

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

- Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

### ENVIRONMENTAL MOBILITY

- Highly volatile, and will partition rapidly to air.
- Not expected to partition to sediment and wastewater.

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**ENVIRONMENTAL DEGRADABILITY**

- Expected to degrade rapidly in air.
- Expected to inherently biodegradable.

**13 DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS: Confirm disposal procedures with environmental engineer and local regulations.

**14 TRANSPORT INFORMATION****ROAD TRANSPORT**

UN No ROAD: 1268 N.Kemler 30  
ADR CLASS No: 3  
ADR PACK GROUP: III  
PROPER SHIPPING NAME: Petroleum Distillates, N.O.S (Aliphatic Hydrocarbons)  
GROUND TRANSPORT < 1 gallon container ORM-D

**RAIL TRANSPORT**

RID CLASS No: 3

**SEA TRANSPORT**

IMDG CLASS: 3  
IMDG PACK GROUP: III  
PROPER SHIPPING NAME: Flammable liquid, N.O.S (Aliphatic Hydrocarbons)

**AIR TRANSPORT**

Flammable liquid, N.O.S (Aliphatic Hydrocarbons): UN 1993  
ICAO CLASS: 3  
AIR PACK GROUP: III

**15 REGULATORY INFORMATION**

United States Regulatory Information:

TSCA 8 (b) Inventory Status: All components of this product are listed on the US Toxic Substance Control Act (TSCA) or are exempted from listing because a Low Volume Exemption (LVE) has been granted in accordance with 40 CFR 723.50.

TSCA 12 (b) Export Notification: None

CERCLA/SARA Section 302 EHS: None  
CERCLA/SARA Section 311/312: Fire, Immediate Health Hazard  
CERCLA/SARA 313: None

California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information:

CEPA DSL/NDSL Status: One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances list.

WHMIS hazard class: B.2, D.2.B

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## 16 OTHER INFORMATION

### DISCLAIMER:

The information and recommendations contained herein are based upon data believed to be correct. However, no warranty is expressed or implied regarding the accuracy of this data or the result to be obtained from the use thereof. Health and Safety precautions detailed in this data sheet may not be adequate for all individuals and/or situations.

It is the user's obligation to evaluate and use the data in order to comply with all applicable laws and regulations. It is the user's obligation to determine the suitability of use of the product for a particular application.

Revision Date: 9 May 2011

Prior Date: 7 April 2009