

Safety Data Sheet

GruberCare MR Hi Tec

SDS No. 20005.00

Date of Preparation: 6/22/15

Revision: 6/22/15

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: GruberCare MR Hi Tec

General Use: Release agent

Uses advised against: Unsuitable for the Do-It-Yourself

Manufacturer: Marshall-Gruber Company, LLC
A subsidiary of The R. J. Marshall Company
220 Airport Drive
Mansfield, TX 76063
Phone: (682)422-9674, Fax: (682)518-9762

Emergency Phone: (800)424-9300

Date Revised: 6/22/15

Preparer: Stephanie Nichols

Section 2 – Hazards Identification

Classification of the chemical in accordance with paragraph (d) of 1910.1200: Hazardous.

Signal words: Danger



Symbol:

Hazard statements:

- H226: Flammable liquid and vapor
- H304: May be fatal if swallowed and enters airways
- H336: May cause drowsiness or dizziness.
- H412: Harmful to aquatic life with long lasting effects.

Precautionary statements:

- P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P233: Keep container tightly closed.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P301+310: If SWALLOWED: Immediately call a poison center or doctor.
- P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P370+378: In case of fire: Use powder fire extinguisher for extinction.

Contains: Hydrocarbons, C9-C10, N-Alkanes, isoalkanes, cyclics, <2% aromatics.

Hazards not otherwise classified: None

Section 3 – Composition/Information on Ingredients

Ingredient Name	CAS Number	EC Number	% Weight
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	-----	927-241-2	95-100%

Section 4 - First Aid Measures

Description of necessary measures, subdivided according to the different routes of exposure:

Inhalation: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

Eye Contact: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, consult a physician.

Skin Contact: Remove contaminated clothing. Wash skin thoroughly with plenty of water. Consult a physician if irritation persists. Wash contaminated clothing before using it again.

Ingestion: Consult a physician. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorized by a doctor.

Most important symptoms/effects, acute and delayed: May cause serious depression of the central nervous system, bronchopneumonia and pulmonary edema, dryness and chapped skin.

Indication of immediate medical attention and special treatment needed: None

Section 5 - Fire-Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, foam, and chemical powder.

Unsuitable Extinguishing Media: Do not use jets of water. Water is not effective for putting out fires, but can be used to cool containers exposed to flames to prevent explosions.

Unusual Fire or Explosion Hazards: Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Remove all unnecessary personnel. Eliminate all sources of ignition from the leakage site.

Environmental precautions: None.

Methods and materials for containment and cleaning up: Dike spill to prevent runoff from entering drains, sewers, streams, etc. Wet spilled material with water and absorb with an inert absorbent material such as perlite, vermiculite, or sand. Sweep up using non-sparking tools and place in a clean polyethylene drum or a polyethylene pail. Wear protective equipment, including eye protection to avoid exposure.

Section 7 - Handling and Storage

Precautions for safe handling: Keep away from heat, sparks, and naked flames. Do not smoke or use matches or lighters. Without adequate ventilation, vapors may accumulate at ground level and if ignited catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink, or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

Conditions for safe storage, including any incompatibilities: Store only in the original container. Store in a well-ventilated place, keep far away from sources of heat, naked flames, sparks, and other sources of ignition. Keep containers away from any incompatible materials.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Protective Clothing/Equipment:

Hand protection: Protect hands with category III work gloves. The following should be considered when choosing work glove material: compatibility, degradation, failure time, and permeability.

Skin protection: Wear category I professional long-sleeved overalls and safety footwear. Wash body with soap and water after removing protective clothing. Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

Eye protection: Wear airtight protective goggles.

Respiratory protection: If the threshold value is exceeded for the substance use a mask with a type A filter whose class (1, 2, or 3) must be chosen according to the limit of use concentration. In the presence of gases or vapors of various kinds and/or gases or vapors containing particulate combined filters are required.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	None estab.	none estab.	1200 mg/m ³ 226 ppm	none estab.

Health Derived no-effect level (DNEL)

Route of exposure	Effects on consumers		Effects on workers	
	Chronic local	Chronic systemic	Chronic local	Chronic systemic
Oral	VND	300 mg/kg	n/a	n/a
Inhalation	VND	900 mg/m ³	VND	1500 mg/m ³
Skin	VND	300 mg/kg	VND	300 mg/kg

VND: hazard identified but no DNEL/PNEC available.

Section 9 - Physical and Chemical Properties

<p>Appearance: colorless liquid</p> <p>Odor: characteristic</p> <p>Odor Threshold: not available</p> <p>pH: not available</p> <p>Freezing/Melting Point: not available</p> <p>Boiling Point: not available</p> <p>Flash Point: 78°F (26°C)</p> <p>Flash Point Method: not available</p> <p>Evaporation Rate: not available</p> <p>Flammability: flammable</p> <p>Upper/lower flammability or explosive limits: not available</p>	<p>Vapor Pressure: not available</p> <p>Vapor Density (Air=1): >1</p> <p>Relative Density: 0.762 kg/l</p> <p>Solubility: insoluble</p> <p>Partition coefficient: n-octanol/water; not available</p> <p>Auto-ignition Temperature: Not available</p> <p>Decomposition Temperature: not available</p> <p>Viscosity: not available</p>
---	--

Section 10 - Stability and Reactivity

Reactivity: None known.

Chemical Stability: This product is stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of hazardous reactions: Vapors may form explosive mixtures in the air.

Conditions to Avoid: Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

Incompatible materials: Not available

Hazardous Decomposition Products: Information not available.

Section 11- Toxicological Information

Information on the likely routes of exposure: Eye, Skin, Inhalation

Symptoms related to the physical, chemical, and toxicological characteristics:
 The introduction of even small quantities of this liquid into the respiratory system in case of ingestion or vomit may cause bronchopneumonia and pulmonary edema.
 This product contains highly volatile substances, which may cause serious depression of the central nervous system (CNS) and have negative effects, such as drowsiness, dizziness, slow reflexes, narcosis.

Delayed and immediate effects and also chronic effects from short and long-term exposure: This product may have a degreasing action on the skin, producing dryness and chapped skin after repeated exposure.

Numerical measures of toxicity:

Acute:

	Value
Oral	LD ₅₀ >5000 mg/kg rat
Dermal	LD ₅₀ >5000 mg/kg rabbit
Inhalation	LC ₅₀ >4951 mg/l/4h rat

Carcinogenicity: Neither this product nor any of its components are considered carcinogenic by OSHA, IARC, NTP, or ACGIH.

Section 12 - Ecological Information

Ecotoxicity: This product is dangerous for the environment and the aquatic organisms. In the long term, it may have negative effects on the aquatic environment.

Fish: LC₅₀ >10 mg/l (Onchorhynchus mykiss)
 Crustacea: EC₅₀ >22 mg/l (Daphnia magna)
 Algae/Aquatic Plants: EC₅₀ >1000 mg/l (Pseudokirchneriella subcapitata)

Persistence and degradability: rapidly biodegradable

Bioaccumulative potential: information not available

Mobility in soil: information not available

Results of PBT and vPvB assessment: This product does not meet the classification as PBT/vPvB.

Other adverse effects: None known.

Section 13 - Disposal Considerations

Disposal: Reuse when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations. Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers, and waterways. Waste transportation may be subject to ADR restrictions. Contaminated packaging must be recovered and disposed of in compliance with national waste management regulations.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101): These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations. These goods must be packed in their original packaging or in packaging made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

Road and Rail Transport:

UN Number: 1993

UN proper shipping name: Flammable liquid, n.o.s. (Aliphatic Hydrocarbons)

Transport hazard classes: 3

Packaging group: III

Environmental hazards: Yes

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not available.

Special precautions for user:

Nr. Kemler: 30

Special Provision: 640E

Limited quantity: 5L

Tunnel Restriction Code: D/E

Carriage by sea (shipping):

UN Number: 1993

UN proper shipping name: Flammable liquid, n.o.s. (Aliphatic Hydrocarbons)

Transport hazard classes: 3

Packaging group: III

Label: 3

EMS: F-E, S-E

Marine pollutant: No

Transport by air:

UN Number: 1993

UN proper shipping name: Flammable liquid, n.o.s. (Aliphatic Hydrocarbons)

Transport hazard classes: 3

Packaging group: III

Label: 3

Cargo packaging instructions: 310 Maximum quantity: 220 L

Passenger packaging instructions: 309 Maximum quantity: 60 L

Section 15 - Regulatory Information**Classification according to regulation 1272/2008 (CLP):**

Flammable liquid 3
Aspiration Toxicity 1
STOT SE 3
Aquatic Chronic 3

67/548/EEC and 1999/45/EC Directive:

Danger Symbols: Xn
R phrases: 10-52/53, 65-67

REACH registration number: 01-2119471843-32

Seveso category: 6

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006: 3-40

Substances in Candidate List (Article 59 REACH): None

Substances subject to authorization (Annex XIV REACH): None

Substances subject to exportation reporting pursuant to EC Reg. 649/2012: None

Substances subject to the Rotterdam Convention: None

Substances subject to the Stockholm Convention: None

Text of R phrases:

R10: Flammable
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65: Harmful: may cause lung damage if swallowed.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapors may cause drowsiness and dizziness.

Section 16 - Other Information

Prepared By: Stephanie Nichols

Revision Notes: updated to SDS format

Disclaimer: Information contained herein is presented in good faith and is based on data believed to be accurate. However no warranty is expressed or implied regarding this information or the results obtained from the use of this Safety Data Sheet, whether it originates with The R. J. Marshall Company or others. This Safety Data Sheet relates only to the specific material designated herein. It does not relate to use with other material or processes. This information is supplied with the condition that the use will make appropriate determination as to its suitability for their purpose prior to using it.