

MATERIAL SAFETY DATA SHEET

MS-GR

SECTION I - PRODUCT IDENTIFICATION**Product name:** PLUMBERS HEAT-PRUF GREASE**Part Number:** GR1, GR1V**Product use:** Lubricant**Chemical family:** Hydrocarbons**Supplier name and address:**

Radiator Specialty Co., of Canada Limited
1711 Aimco Blvd.
Mississauga, Ontario
L4W 1H7

Manufacturer name and address:

Radiator Specialty Co.
1900 Wilkinson Blvd.
Charlotte, N.C. 28234-6080

Emergency Tel#: 704-377-6555**WHMIS CLASS:** D2A**Emergency Tel.#:**

CANUTEC (613) 996-6666 (24 Hr.)

905-625-9117 (Monday - Friday (9 a.m.-5 p.m.))

SECTION II - INGREDIENTS

Ingredients	CAS#	%	LC₅₀ ppm (Rat,ihl.)	LD₅₀ mg/kg (Rat,oral)
Heavy naphthenic distillate	64742-52-5	60-100	n/av	n/av

SECTION III - PHYSICAL DATA**Physical state:** Grease**Odour and appearance:** Brown grease with petroleum-like odour.**Odour threshold:** n/av**Specific gravity:** ~1.0**Coefficient of water/oil distribution:** n/av**Vapour pressure (mm Hg):** n/av**Boiling point:** >260°C**Freezing point:** n/av**pH:** 6-7**Vapour density (Air = 1):** n/av**Evaporation rate (BuAe = 1):** n/av**Volatile, %:** n/av**Solubility in water:** Insoluble**SECTION IV - FIRE AND EXPLOSION DATA****Conditions of flammability:** Non-Flammable.**Means of extinction:** Dry chemicals, foam, CO₂, water fog.**Sensitivity to mechanical impact/static discharge:** n/av**Flash point (Method):** 193°C (COC).**Upper flammable limit %:** n/av**Lower flammable limit %:** n/av**Auto-ignition temperature:** n/av**Special fire fighting procedures:** Wear self-contained, positive pressure breathing apparatus and protective clothing. Cool containers with water spray.**Unusual fire and explosion hazards:** None known.**Hazardous combustion products:** Refer to 'Hazardous Decomposition Products'.**SECTION V - REACTIVITY DATA**

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Stability: Stable. Hazardous polymerization will not occur.

Incompatible materials: Strong oxidizers.

Conditions of reactivity: Stable under ambient pressure and temperature.

Hazardous decomposition products: Fire: Normal products of combustion; carbon dioxide, carbon monoxide, and smoke.

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SECTION VI - TOXICOLOGICAL PROPERTIES
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*****Routes of exposure and acute effects*****

Exposure limit: 5mg/m³ (mist) for Heavy naphthenic distillate.

Inhalation: Not likely (grease).

Skin: Mild irritant on prolonged exposure.

Eyes: Mild irritant.

Ingestion: Not likely (grease). Harmful if swallowed.

Chronic effects: n/av

Carcinogenicity: Heavy naphthenic petroleum distillate is a possible carcinogen by National Toxicology Program (NTP).

Reproductive effects, Teratogenicity, Mutagenicity: n/av

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SECTION VII - FIRST AID
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Inhalation: Remove to fresh air.

Skin: Wash with soap and water. If injected under skin (high pressure), treat as medical emergency.

Eyes: Flush with water for at least 15 minutes. Call physician immediately .

Ingestion: Do not induce vomiting. Obtain medical attention immediately. Do not administer epinephrine or adrenalin.

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SECTION VIII - PREVENTIVE MEASURES
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Spill, leak or release: Observing health hazards described above, remove ignition sources. Confine spill, soak up with absorbent clay and transfer to waste drum.

Waste disposal: Dispose of in accordance with all applicable government Regulations.

*****PROTECTIVE EQUIPMENT*****

Respiratory protection: None required.

Ventilation: Local exhaust.

Protective gloves: Chemical resistant gloves.

Eye protection: Safety goggles or face shield.

Other protective equipment: Apron.

***** STORAGE & HANDLING *****

Storage and handling conditions: Handling: Keep away from heat, flame. Avoid skin or eye contact. Wear protective equipment during handling. Use with adequate ventilation. Wearing contact lenses is inadvisable. Keep away from children or animals. Keep containers closed when not in use.

Storage: Store in a cool dry, well-ventilated area, away from incompatibles.

Special Shipping Information: n/av

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Additional notes or references:

Abbreviation:

n/av: not available

n/ap: not applicable

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

TLV: Threshold Limit Values

NIOSH: National Institute of Occupational Safety and Health

Reference:

1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 1987-88.
2. International Agency for Research on Cancer Monographs, Supplement 7, 1988.

3. N. Irving Sax, Dangerous Properties of Industrial Materials, Sixth Edition.

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SECTION IX - PREPARATION INFORMATION

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Prepared by: Radiator Specialty Company of Canada Ltd.

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Preparation date: January 2002 reviewed