

## MATERIAL SAFETY DATA SHEET

AZ SKU: 374056

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

4 gm pouch, 1000 pieces

Product:	RH-1, RH-1A, RH-1SP, RH-1ASP	Original Issue Date:	4/20/1992
Manufacturer:	AGS Company	Revision No. 04	Date 11/11/04
Street Address:	2651 Hoyt St		
City/State/Zip	Muskegon Hts., MI 49444	Trade Name:	Radiator Hose Grease
Phone:	800-253-0403	Common Name:	
Phone:	231-733-2101		
FAX:	231-733-1784		
Transportation Emergency:	CHEM-TEL		
Phone:	800-255-3924		

## SECTION 2 - COMPOSITION/ INFORMATION ON INGREDIENTS

ITEM	CAS NUMBER	WT/WT % LESS THAN
1 Polypropylene Glycol	25322-69-4	60
2 Phenyl - Alpha-Naphthylamine	90-30-2	1
3 N-Cis-Octadecenoyl Sarcosine	110-25-8	1
4 Oleoyl Sarcosine	Mixture	1
5 Diethyl Phthalate	84-66-2	1

## EXPOSURE LIMITS

		ENV. SCORE LIMITS					
ITEM	ACGIH		OSHA		COMPANY		
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	SKIN	
1	N.E.	N.E.	N.E.	N.E.	N.E.	Yes	
2	N.E.	N.E.	N.E.	N.E.	N.E.	Yes	
3	None	None	None	None	None	Yes	
4	N.E.	N.E.	N.E.	N.E.	N.E.	No	
5	5 mg/m <sup>3</sup>	N.E.	5 mg/m <sup>3</sup>	N.E.	N.E.	No	

(See Section 16 for abbreviation legend)

## SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Vapors irritating to eyes and respiratory tract. High vapor concentrations may cause drowsiness

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash)

EFFECTS OF OVEREXPOSURE - INHALATION: Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor or skin exposure. Prolonged inhalation may be harmful

EFFECTS OF OVEREXPOSURE - INGESTION: This material may be harmful or fatal if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Overexposure may cause nervous system damage.

Primary Route(S) of Entry Skin contact, Inhalation, eye contact

## SECTION 4 - FIRST AID MEASURES

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists

FIRST AID - SKIN CONTACT: Immediately flush with plenty of water. Remove clothing. Get medical attention

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immediately. Wash clothing separately before reuse.

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**FIRST AID - INGESTION:** Get medical attention immediately. If swallowed, DO NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

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**SECTION 5 - FIRE FIGHTING MEASURES**

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FLASH POINT:	425°F	218°C	LOWER EXPLOSIVE LIMIT:	N.A.	%
			UPPER EXPLOSIVE LIMIT:	N.A.	%

**AUTOIGNITION TEMPERATURE:** N.D.

**EXTINGUISHING MEDIA:** CO<sub>2</sub>, Dry Chemical, Foam

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid) and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

**SPECIAL FIREFIGHTING PROCEDURES:** Containers can build up pressure if exposed to heat (fire). as in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

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**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways.

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**SECTION 7 - HANDLING AND STORAGE**

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**HANDLING:** Wash thoroughly after handling

**STORAGE:** Keep from freezing

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**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**ENGINEERING CONTROLS:** Local exhaust ventilation may be necessary to control any air contaminants to within their TLVS during the use of this product

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**SKIN PROTECTION:** No Information.

**EYE PROTECTION:** Wear safety glasses with side shields (or goggles) and a face shield.

**OTHER PROTECTIVE EQUIPMENT:** STANDARD INDUSTRIAL CLOTHING STANDARDS SHOULD BE FOLLOWED.

**HYGIENIC PRACTICES:** Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all MSD / label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with eyes, skin, and clothing.

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

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BOILING RANGE	N.A.	VAPOR DENSITY:	Is heavier than air
ODOR	Odorless	ODOR THRESHOLD	N.D.
APPEARANCE	Opaque Semi Solid	EVAPORATION RATE	Is slower than Butyl Acetate
SOLUBILITY IN H <sub>2</sub> O	Negligible		
FREEZE POINT	32	SPECIFIC GRAVITY	1.0764
VAPOR PRESSURE	Negligible	pH @ 0.0%	N.A.
PHYSICAL STATE	Semi-Solid	VISCOSITY:	thick
COEFFICIENT OF WATER / OIL DISTRIBUTION:	Negligible		

(See Section 16 for abbreviation legend)

**SECTION 10 - STABILITY AND REACTIVITY**

CONDITIONS TO AVOID: ALL SOURCES OF IGNITION, WELDING ARCS, AND OPEN FLAMES

INCOMPATIBILITY: STRONG ACIDS, ALKALIS, OXIDIZERS, AND AMINES.

HAZARDOUS DECOMPOSITION PRODUCTS OXIDES OF CARBON, OXIDES OF NITROGEN, AND MAY PRODUCE FORMS OF CHLORIDE, CHLORINE, AND PHOSGENE.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions

STABILITY: This product is stable under normal storage conditions.

**SECTION 11 - TOXICOLOGICAL PROPERTIES**

PRODUCT	LD-50	3750 mg/kg	PRODUCT	LC-50	30 ppm
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COMPONENT TOXICOLOGICAL INFORMATION:

CHEMICAL NAME	LD50	LC50
Polypropylene Glycol	3750 mg/kg/rat	N.E.
Castor Oil	N.E.	N.E.
Methylated Silica	N.D.	TCLO 30 mg/m <sup>3</sup> 6h/rat
Dimethylpolysiloxane	20000 mg/kg/rat	N.E.
Phenyl - Alpha-Naphthylamine	1625 mg/kg/rat	N.E.
N-Cis-Octadecenoyl Sarcosine	N.E.	N.E.
Oleoyl Sarcosine	N.E.	N.E.
Benzophenone	7400 mg/kg/rat	N.E.
Oleic Acid	74000 mg/kg/rat	N.E.
Fragrance Neutralizer	N.E.	N.E.
Diethyl Phthalate	8600 mg/kg/rat	N.E.

**SECTION 12 - ECOLOGICAL INFORMATION**

ECOLOGICAL INFORMATION: No information

**SECTION 13 - DISPOSAL CONSIDERATIONS**

DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS

**SECTION 14 - TRANSPORTATION INFORMATION**

DOT PROPER SHIPPING NAME Not regulated

DOT TECHNICAL NAME

DOT HAZARD CLASS HAZARD SUBCLASS:

DOT UN / NA NUMBER: PACKING GROUP: NA RESP. GUIDE PAGE

**SECTION 15 - REGULATORY INFORMATION**

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U.S FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 cfr 1910.1200)

## CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III ) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD

## SARA SECTION 313

This product contains the following substance subject to the reporting requirements of Section 313 of Title of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL NAME	CAS NUMBER	WT /WT % IS LESS THAN
No SARA Section 313 components exist in this product		%

## TOXIC SUBSTANCE CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12 (B) if exported from the United States:

CHEMICAL NAME	CAS NUMBER
Dimethylpolysiloxane	63148-62-9
Oleic Acid	112-80-1

U.S. STATE REGULATIONS: AS FOLLOWS -

## NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

CHEMICAL NAME	CAS NUMBER
Castor Oil	8001-79-4
Methylated Silica	67762-90-7
Dimethylpolysiloxane	63148-62-9

## PENNSYLVANIA RIGHT-TO-Know

The following non-hazardous ingredients are present in the product at greater than 3%:

CHEMICAL NAME	CAS NUMBER
Castor Oil	8001-79-4
Methylated Silica	67762-90-7

## CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are know to the state of California to causes cancer, birth defects or other reproductive harm.

CHEMICAL NAME	CAS NUMBER
No Proposition 65 chemicals exist in this product	

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

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SECTION 16 - OTHER INFORMATION

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HMIS RATINGS:	Health	0 Flammability	0 Reactivity	0 Protective Equipment
NFPA	Health	0 Flammability	0 Reactivity	0

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VOLATILE ORGANIC COMPOUNDS (VOCS):                      0.00 lbs / gal                      0 grams / liter

LEGEND:    N.A.            Not Applicable            N.E.            No Established  
              N.D.            Not Determined