

GENERAL MOTORS CORPORATION
MATERIAL SAFETY DATA SHEET

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(P) HEAT VALVE LUBRICANT
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12302866
* X88-A
X-88
1052627

SECTION 0 -- EFFECTIVE DATE

- 1 -->Effective Date: 071384
- 2 -->MSDS signed by: Not Provided
- 3 -->Title: Not Provided

SECTION 1 -- SHIPPING INFORMATION

- 1 -->Chemical Family: MIXTURE OF SOLVENTS, SOAP AND OIL.
- 2 -->Formula: RS 7005

(*)MID: #533837
RALPH SHRADER INC
DUNS Account #: 00-602-1430
Emergency telephone #: 313/350-1600
3450 LOVETT AVE
DETROIT, MI 48210

Shipping Name: CONSUMER COMMODITY
Hazard Class: GRM-D Consumer Commodity
U.N. Code:
Flash Point: 135F COC

SECTION 2 -- INGREDIENTS

CAS#	Formulation	Chemical Name
989921982	30/40% BY	AROMATIC SOLVENTS
989924859	5/10% BY	ORGANIC SOAPS
989952667	/5% BY	CALCIUM SULFONATE DETERGENT
989917483	/5% BY	COLLOIDAL GRAPHITE
007732185	20/30% BY	Water
000111762	10/15% BY	Ethanol, 2-butoxy-
008012951	10/15% BY	MINERAL OIL

000217

SECTION 3 -- PHYSICAL DATA

- 1 -->Boiling Point: 212F
- 2 -->Specific Gravity: 0.913
- 3 -->Vapor Pressure: <1
- 4 -->% Volatile by Volume: 60
- 5 -->% Solid by Weight: Not Provided
- 6 -->Vapor Density: N/A
- 7 -->Evaporation Rate: N/A
- 8 -->Solubility in H2O: INSOLUBLE
- 9 -->pH: 9-9.5
- 10 -->Appearance & Odor: GRAY-BLACK SUSPENSION
- 11 -->State: LIQUID

SECTION 4 -- FIRE AND EXPLOSION DATA

- 1 -->Flammable Limits - LEL: 0.9
- 2 -->Flammable Limits - UEL: 10.6
- 3 -->Extinguishing Media: FOAM, DRY CHEMICAL, CO2
- 4 -->Special Fire Fighting Procedures: AIR SUPPLIED RESCUE EQUIPMENT FOR ENCLOSED AREAS.
- 5 -->Unusual Fire & Explosion Hazards: DO NOT STORE OR MIX WITH STRONG OXIDANTS.

SECTION 5 -- HEALTH HAZARD DATA

- 1 -->Effects of Overexposure: HEADACHE, NAUSEA, DIZZINESS AND VOMITING MAY RESULT FROM BREATHING VAPORS OR ABSORPTION THROUGH SKIN. EYES IRRITATED BY LIQUID. (NOTE: HEALTH HAZARD DATA BASED ON BUTYL CELLOSOLVE WHICH IS MOST STRINGENT INGREDIENT.)
- 2 -->Threshold Limit Value: 50 PPM FOR SKIN
- 3 -->Permissible Exposure Limit: Not Provided
- 4 -->Other Limit: Not Provided
- 5 -->Primary routes of entry: Not Provided
- 6 -->Emergency First Aid Procedures: REMOVE TO FRESH AIR. CALL A PHYSICIAN. EYES: FLUSH WITH PLENTY OF WATER; GET MEDICAL ATTENTION. SKIN: FLUSH WITH PLENTY OF WATER.

SECTION 6 -- REACTIVITY DATA

- 1 -->Stable: YES
- 2 -->Conditions to Avoid: HEAT, SPARKS, FLAMES.
- 3 -->Incompatible Materials: STRONG OXIDIZING AGENTS
- 4 -->Hazardous Decomposition Products: CARBON MONOXIDE IF COMBUSTION IS INCOMPLETE.
- 5 -->Can Hazardous Polymerization Occur: NO
- 6 -->Conditions to Avoid: NONE

SECTION 7 -- SPILL OR LEAK PROCEDURES

- 1 -->Steps to be taken in case material is released or spilled: KEEP PERSONNEL AWAY. RECOVER FREE LIQUID. ADD ABSORBENT TO SPILL AREA. AVOID BREATHING VAPORS. VENTILATE. COLLECT IN CONTAINER FOR DISPOSAL.
- 2 -->Waste Disposal Method: INCINERATE ABSORBED MATERIAL.
- 3 -->CERCLA (Superfund) Reportable quantity (lbs): Not Provided
- 4 -->RCRA Hazardous Waste No. (40 CFR 261.33): Not Provided
- 5 -->Volatile Organic Compound (VOC) Theoretical: Not Provided
- 6 -->Volatile Organic Compound (VOC) Analytical: Not Provided

SECTION 8 -- SPECIAL PROTECTION INFORMATION

- 1 -->Respiratory Protection: ALL-PURPOSE CANISTER MASK.
- 2 -->Local Exhaust: FACE VELOCITY >60 FPM
- 3 -->Special: USE ONLY WITH ADEQUATE VENTILATION
- 4 -->Mechanical: EXPLOSION-PROOF VENTILATION EQUIPMENT
- 5 -->Other: NO SMOKING OR OPEN LIGHTS
- 6 -->Protective gloves (Specify type): DESIRABLE
- 7 -->Eye Protection (Specify type): DESIRABLE
- 8 -->Other Protective Equipment: NOT NORMALLY REQUIRED

SECTION 9 -- SPECIAL PRECAUTIONS

- 1 -->Precautions to be taken in Handling & Storage: KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES.
- 2 -->Other Precautions: AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WASH WITH SOAP AND WATER AFTER CONTACT. REMOVE CONTAMINATED CLOTHING.

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