

GENERAL MOTORS CORPORATION
MATERIAL SAFETY DATA SHEET

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(P) GOODWRENCH ENGINE OIL SUPPLEMENT

1052367

1052368

SECTION 0 - EFFECTIVE DATE

- 1 -> Effective Date: 062889
- 2 -> MSDS signed by: Not Provided
- 3 -> Title: Not Provided

SECTION 1 - SHIPPING INFORMATION

- 1 -> Chemical Family: Not Provided
- 2 -> Formula: Not Provided
(*)MID: #509021
LUBRIZOL CORP
DUNS Account #: 00-417-2565
Emergency telephone #: 216/943-4200
29400 LAKELAND BLVD.
WICKLIFFE, OH 44092

Shipping Name: NON-REGULATED MATERIAL

Hazard Class: Not Subject to DOT Regulation

U.N. Code:

Flash Point: > 100C PMCC

SECTION 2 - INGREDIENTS

CAS-	Formulation	Chemical Name
068439805	10 /15% BY WT	Reaction product of polybutenyl succinic anhydride and ethylene amines
068649423	< 5% BY WT	Dialkyl(C1-C14)dithiophosphoric acid, zinc salt
068783960	< 5% BY WT	Sulfonic acids, petroleum, calcium salts, overbased
061789875	< 5% BY WT	Sulfonic acids, petroleum, magnesium salts
989949955	80 /85% BY WT	SEVERELY SOLVENT REFINED PETROLEUM DISTILLATE

SECTION 3 - PHYSICAL DATA

- 1 -> Boiling Point: Not Provided
- 2 -> Specific Gravity: 0.904 @ 15.6C
- 3 -> Vapor Pressure: NOT DETERMINED (ND)
- 4 -> % Volatile by Volume: ND
- 5 -> % Solid by Weight: Not Provided
- 6 -> Vapor Density: ND
- 7 -> Evaporation Rate: ND
- 8 -> Solubility in H2O: INSOLUBLE
- 9 -> pH: ND
- 10 -> Appearance & Odor: DARK LIQUID WITH MILD ODOR.
- 11 -> State: LIQUID

SECTION 4 - FIRE AND EXPLOSION DATA

- 1 -> Flammable Limits - LEL: ND
- 2 -> Flammable Limits - UEL: ND
- 3 -> Extinguishing Media: CO2, DRY CHEMICAL, FOAM, WATER SPRAY, WATER FOG.
- 4 -> Special Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE.
- 5 -> Unusual Fire & Explosion Hazards: TOXIC FUMES MAY BE EVOLVED ON BURNING OR EXPOSURE TO HEAT. NFPA CODE: HEALTH=1, FIRE=1, REACTIVITY=0.

SECTION 5 - HEALTH HAZARD DATA

- 1 -> Effects of Overexposure: ORAL TOXICITY: GREATER THAN 5000 MG/KG IN RATS. BASED ON DATA FROM COMPONENTS. EYE AND SKIN IRRITATION: NOT EXPECTED TO CAUSE EYE OR SKIN IRRITATION. BASED ON DATA FROM COMPONENTS. OTHER: UNKNOWN.
- 2 -> Threshold Limit Value: NONE ESTABLISHED
- 3 -> Permissible Exposure Limit: OIL MIST: OSHA PEL = 5 MG/M3
- 4 -> Other limit: Not Provided
- 5 -> Primary routes of entry: Not Provided
- 6 -> Emergency First Aid Procedures: SKIN: WASH WITH SOAP AND WATER. EYE: FLUSH WITH WATER FOR 15 MINUTES. INHALATION: REMOVE TO FRESH AIR. SEE PHYSICIAN IF IRRITATION PERSISTS. ORAL: CALL A PHYSICIAN. DO NOT INDUCE VOMITING. ADDITIONAL: NONE.

SECTION 6 - REACTIVITY DATA

- 1 -> Stable: YES
- 2 -> Conditions to Avoid: Not Provided
- 3 -> Incompatible Materials: OXIDIZING AGENTS
- 4 -> Hazardous Decomposition Products: OXIDES OF CARBON, NITROGEN, PHOSPHORUS, SULFUR, COPPER, CALCIUM, MAGNESIUM, ZINC, HYDROGEN SULFIDE.
- 5 -> Can Hazardous Polymerization Occur: NO
- 6 -> Conditions to Avoid: Not Provided

SECTION 7 - SPILL OR LEAK PROCEDURES

- 1 -> Steps to be taken in case material is released or spilled: PREVENT ENTRY INTO SEWERS AND WATERWAYS. PICK UP FREE LIQUID FOR RECYCLE/DISPOSAL. ABSORB SMALL AMOUNTS ON INERT MATERIAL FOR DISPOSAL.

- 2 -> Waste Disposal Method: IF DISPOSED OF, THIS MATERIAL MAY BE HAZARDOUS FOR DISPOSAL UNDER RCRA DUT TO REACTIVITY. DISPOSAL SHOULD BE IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL LAWS.

- 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: Not Provided
- 2 -> Local Exhaust: Not Provided
- 3 -> Special: Not Provided
- 4 -> Mechanical: MECHANICAL VENTILATION RECOMMENDED
- 5 -> Other: Not Provided
- 6 -> Protective Gloves (Specify type): NEOPRENE OR NITRILE RUBBER GLOVES RECOMMENDED
- 7 -> Eye Protection (Specify type): SAFETY GLASSES
- 8 -> Other Protective Equipment: NONE

SECTION 9 - SPECIAL PRECAUTIONS

- 1 -> Precautions to be taken in Handling & Storage: REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSE. ODOROUS AND TOXIC FUMES MAY FORM FROM DECOMPOSITION OF THIS PRODUCT IF HEAT SOURCES IN EXCESS OF 250F (121C) ARE USED.

- 2 -> Other Precautions: Not Provided

SECTION 10 - ADDITIONAL DATA

- 1 -> Additional Health Hazard Data: SARA SECTION 313 STATUS: ZINC COMPOUNDS (0-10%) (0.3 ZN). HAZARDOUS INGREDIENTS: THIS MATERIAL IS NOT KNOWN TO CONTAIN ANY CHEMICAL LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN BY OSHA, IARC OR THE NATIONAL TOXICOLOGY PROGRAM (NTP) AT A CONCENTRATION GREATER THAN 0.1%. NOTE: SEVERELY REFINED PETROLEUM DISTILLATE IS A COMPOSITE OF ONE OR MORE OF THE FOLLOWING CAS NUMBERS: #64741895, #64742650, #64742536, #64742525, #64741975, AND #64741884.