

GENERAL MOTORS CORPORATION MATERIAL SAFETY DATA SHEET

Page 4

(P) **WOODRENCH POWER STEERING FLUID**
1050017
1052884

SECTION 0 — EFFECTIVE DATE

- 1 -> Effective Date: 041988
- 2 -> MSDS signed by: M. J. VON ALLMEN
- 3 -> Title: MGR. PRODUCT SAFETY PROGRAMS

SECTION 1 — SHIPPING INFORMATION

- 1 -> Chemical Family: TRANSMISSION FLUIDS
- 2 -> Formula: Not Provided
(*AMID: #507002
AGCRA PAC INC
DUNS Account #: 04-208-0614
Emergency telephone #: 219/295-0000
2730 MIDDLEBURY ST
P.O. BOX 878
219/295-1020
ELKHART, IN 46540

Shipping Name: NON-REGULATED MATERIAL
Hazard Class: Not Subject to DOT Regulation
U.N. Code:
Flash Point: 345F COC

SECTION 2 — INGREDIENTS

CAS-	Formulation	Chemical Name
064742650	65 /79.9%	SOLVENT-DEWAXED HEAVY PARAFFINIC DISTILLATE
064742636	20 /34.9%	HYDROTREATED LIGHT NAPHTHENIC DISTILLATE
025155231	0.10 /0.99%	Phenol, dimethyl-, phosphate (3:1)

SECTION 3 — PHYSICAL DATA

- 1 -> Boiling Point: NOT DETERMINED (N/D)
- 2 -> Specific Gravity: 0.8788
- 3 -> Vapor Pressure: N/D
- 4 -> % Volatile by Volume: N/D
- 5 -> % Solid by Weight: Not Provided
- 6 -> Vapor Density: N/D
- 7 -> Evaporation Rate: N/D
- 8 -> Solubility in H₂O: N/D
- 9 -> pH: N/A
- 10 -> Appearance & Odor: BLUE LIQUID. VISCOSITY: 51.5 CST @ 40C.
- 11 -> State: LIQUID

SECTION 4 — FIRE AND EXPLOSION DATA

- 1 -> Flammable Limits - LEL: N/D
- 2 -> Flammable Limits - UEL: N/D
- 3 -> Extinguishing Media: ACCORDING TO THE NATIONAL FIRE PROTECTION ASSOCIATION GUIDE, USE WATER SPRAY, DRY CHEMICAL, FOAM, OR CARBON DIOXIDE.
- 4 -> Special Fire Fighting Procedures: WATER OR FOAM MAY CAUSE FROTHING. USE WATER TO COOL FIRE-EXPOSED CONTAINERS. IF A LEAK OR SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS AND TO PROVIDE PROTECTION FOR PERSONS ATTEMPTING TO STOP THE LEAK.
- 5 -> Unusual Fire & Explosion Hazards: NONE. HHS: HEALTH=0; REACTIVITY=0; FLAMMABILITY=1; SPECIAL=(-)

SECTION 5 — HEALTH HAZARD DATA

- 1 -> Effects of Overexposure: ACUTE: EYES: CAUSES MINIMAL EYE IRRITATION. TRANSIENT MINOR IRRITATION MAY BE NOTED FOLLOWING INITIAL CONTACT. SKIN: SLIGHTLY IRRITATING WITH POSSIBLE REDNESS, EDEMA, OR DRYING OF THE SKIN. RESPIRATORY SYSTEM: VAPORS OR MIST IN EXCESS OF PERMISSIBLE CONCENTRATIONS (SEE BELOW) MAY CAUSE IRRITATION (NOSE/THROAT), HEADACHE, NAUSEA AND DROWSINESS. CHRONIC: N/D. SENSITIZATION PROPERTIES: SKIN = UNKNOWN; RESPIRATORY = UNKNOWN.
- 2 -> Threshold Limit Value: ACGIH (MIST): SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES (#64742650): 5MG/M3.
- 3 -> Permissible Exposure Limit: OSHA (MIST): SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES (#64742650): 5MG/M3.
- 4 -> Other limit: STEL (MIST): SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES (#64742650): 10MG/M3.
- 5 -> Primary routes of entry: EYES, SKIN, INHALATION
- 6 -> Emergency First Aid Procedures: EYES: AS WITH MOST FOREIGN MATERIALS, SHOULD EYE CONTACT OCCUR, FLUSH EYES WITH PLENTY OF WATER. SKIN: WASH EXPOSED AREAS WITH SOAP AND WATER. INGESTION: NONE CONSIDERED NECESSARY. INHALATION: IF IRRITATION OR DROWSINESS OCCURS, REMOVE TO FRESH AIR. OTHER INSTRUCTIONS: NONE.

SECTION 6 — REACTIVITY DATA

- 1 -> Stable: Not Provided
- 2 -> Conditions to Avoid: Not Provided
- 3 -> Incompatible Materials: THE MATERIAL REACTS VIOLENTLY WITH: STRONG OXIDIZERS.
- 4 -> Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, ALDEHYDES AND KETONES, COMBUSTION PRODUCTS OF PHOSPHORUS AND ZINC.
- 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: CONTAIN SPILL IF POSSIBLE. WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP.
- 2 -> Waste Disposal Method: UNDER RCRA, IT IS THE RESPONSIBILITY OF THE USER OF PRODUCTS TO DETERMINE, AT THE TIME OF DISPOSAL, WHETHER PRODUCT MEETS RCRA CRITERIA FOR HAZARDOUS WASTE. THIS IS BECAUSE PRODUCT USES, TRANSFORMATIONS, MIXTURE, PROCESSES, ETC. MAY RENDER THE RESULTING MATERIAL HAZARDOUS.
- 3 -> CERCLA (Superfund) Reportable quantity (lbs): NONE
- 4 -> RCRA Hazardous Waste No. (40 CFR 261.33): WASTE CLASSIFICATION: PRODUCT HAS BEEN EVALUATED FOR RCRA CHARACTERISTICS AND DOES NOT MEET CRITERIA OF A HAZARDOUS WASTE IF DISCARDED IN ITS PURCHASED FORM.
- 5 -> Volatile Organic Compound (VOC) Theoretical: Not Provided
- 6 -> Volatile Organic Compound (VOC) Analytical: Not Provided

SECTION 8 — SPECIAL PROTECTION INFORMATION

- 1 -> Respiratory Protection: IF VAPOR, MIST OR DUST IS GENERATED IN EXCESS OF PERMISSIBLE CONCENTRATIONS (SECTION 5) USE RESPIRATOR APPROVED BY NIOSH OR MSHA
- 2 -> Local Exhaust: Not Provided
- 3 -> Special: Not Provided
- 4 -> Mechanical: Not Provided
- 5 -> Other: VENTILATION: ADEQUATE TO MEET COMPONENT PERMISSIBLE CONCENTRATIONS.
- 6 -> Protective Gloves (Specify type): Not Provided
- 7 -> Eye Protection (Specify type): CHEMICAL TYPE GOGGLES OR FACE SHIELD OPTIONAL.
- 8 -> Other Protective Equipment: EXPOSED EMPLOYEES SHOULD EXERCISE REASONABLE PERSONAL CLEANLINESS: THIS INCLUDES CLEANSING EXPOSED SKIN AREAS SEVERAL TIMES DAILY WITH SOAP AND WATER, AND LAUNDERING OR DRY CLEANING SOILED WORK CLOTHING AT LEAST WEEKLY.

SECTION 9 — SPECIAL PRECAUTIONS

- 1 -> Precautions to be taken in Handling & Storage: MINIMUM FEASIBLE HANDLING TEMPERATURES SHOULD BE MAINTAINED. PERIODS OF EXPOSURE TO HIGH TEMPERATURES SHOULD BE MINIMIZED. WATER CONTAMINATION SHOULD BE AVOIDED.
- 2 -> Other Precautions: CAUTION: MISUSE OF EMPTY CONTAINERS CAN BE HAZARDOUS. EMPTY CONTAINERS CAN BE HAZARDOUS IF USED TO STORE TOXIC, FLAMMABLE, OR REACTIVE MATERIALS. CUTTING OR WELDING OF EMPTY CONTAINERS MIGHT CAUSE FIRE, EXPLOSION OR TOXIC FUMES FROM RESIDUES. DO NOT PRESSURIZE OR EXPOSE TO OPEN FLAME OR HEAT. KEEP CONTAINER CLOSED AND DRUM BUNGS IN PLACE.

SECTION 10 — ADDITIONAL DATA

- 1 -> Additional Health Hazard Data: TRIXYLENYL PHOSPHATE (#25155231): HAZARDOUS ACCORDING TO OSHA (1910.1200) OR ONE OR MORE STATE RIGHT-TO-KNOW LISTS. TITLE III SECTION 313 TOXIC CHEMICALS: NONE. NOT A CARCINOGEN. TOXICITY DATA, MEDIAN LETHAL DOSE — ORAL: > 20G/KG (RAT); PRACTICALLY NONTOXIC. INHALATION: N/D. DERMAL: > 20G/KG (RABBIT); PRACTICALLY NONTOXIC. OTHER: N/D. IRRITATION INDEX, ESTIMATION OF IRRITATION — SKIN: 2.96/0 (RABBIT); SLIGHTLY IRRITATING. EYES: 9.8/110 (RABBIT); NO APPRECIABLE EFFECT. SYMPTOMS OF EXPOSURE: SEE SECTION 5.

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