

# General Motors Corporation Material Safety Data Sheet

September, 1999

Page 39

**SECTION 01: CHEMICAL PRODUCT & COMPANY ID**TRADENAME: **GEAR MARKING COMPOUND**

1052351

MSDS SIGNED BY NAME: MARGARET A. HANDLEY

MSDS SIGNED BY TITLE: LAB MANAGER

SAFE USE CATEGORY AND DESCRIPTION: 04 -METAL WORKING FLUIDS AND LUBRICANTS

MSDS CREATE DATE: 1985-01-01

LAST UPDATED DATE: 1991-05-01

MANUFACTURER'S ID (MID): 000509565

MANUFACTURER'S NAME: WAYNE CHEMICAL PRODUCTS CO

MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 313-842-2156

MANUFACTURER'S MAILING ADDRESS:

9470 COPLAND ST

P.O. BOX 126

DETROIT MI 48218

US

CHEMICAL FAMILY NAME: GREASE

MOLECULAR FORMULA: N/A

**SECTION 02: COMPOSITION & INGREDIENT INFO**

| CAS#      | FORMULATION        | W/W | CHEMICAL NAME   |
|-----------|--------------------|-----|---|
| 001305620 | < 0.0000/5.0000%   | W   | CALCIUM HYDROXIDE   |
| 001309371 | = 40.0000/0.0000%  | W   | IRON(III) OXIDE   |
| 001310732 | < 0.0000/5.0000%   | W   | Sodium hydroxide  |
| 009036195 | = 10.0000/0.0000%  | W   | OCTYL PHENOL condensed with 20 MOL ES ETHYLENE OXIDE                        |
| 061789977 | < 0.0000/5.0000%   | W   | Tallow  |
| 061790372 | < 0.0000/5.0000%   | W   | Fatty acids, tallow   |
| 064742525 | < 0.0000/ 50.0000% | W   | MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (severe) HEAVY NAPH THENIC |
| 064742558 | < 0.0000/ 45.0000% | W   | MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (severe) LIGHT PARA FFINIC |

THRESHOLD LIMIT VALUE: N/E

PERMISSIBLE EXPOSURE LIMIT: N/E

CERCLA (SUPERFUND) REPORTABLE QUANTITY (LBS): NONE

**SECTION 03: HAZARDS IDENTIFICATION**

PRIMARY ENTRY ROUTE INDICATORS:

SKIN PRIMARY ENTRY ROUTE INDICATOR = N

EYE PRIMARY ENTRY ROUTE INDICATOR = N

INHALATION PRIMARY ENTRY ROUTE INDICATOR = N

INGESTION PRIMARY ENTRY ROUTE INDICATOR = N

PRIMARY ROUTES OF ENTRY TEXT: NONE KNOWN

EFFECTS OF OVEREXPOSURE: SKIN AND EYE IRRITATION POSSIBLE UPON DIRECT CONTACT. MAY CAUSE NAUSEA IF INGESTED.

**SECTION 3 - OTHER INFORMATION:**

N/A

**SECTION 04: FIRST AID MEASURES**

EMERGENCY FIRST AID PROCEDURES - GENERAL: WASH SKIN WITH WATER AND MILD SOAP. FLUSH EYES WITH WATER FOR 15 MINUTES AND SEEK MEDICAL ATTENTION. IF INGESTED, SEEK MEDICAL ATTENTION. DO NOT INDUCE VOMITING.

**SECTION 05: FIRE-FIGHTING MEASURES**

EXTINGUISHING MEDIA: CO2, FOAM, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS RECOMMENDED FOR FIRE FIGHTING PERSONNEL.

UNUSUAL FIRE AND EXPLOSION HAZARDS: EXTREME HEAT AND OPEN FLAME.

FLASH POINT TEMPS: 226.00C/ 440.00F

FLASH POINT TEXT: 440 F C.O.C.

FLASH POINT METHOD: COC

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

SPILL OR LEAK PROCEDURES: SCRAPE UP GREASE AND SCRUB WITH DETERGENT AND WATER.

**SECTION 07: HANDLING AND STORAGE**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: AVOID EXTREME HEAT AND OPEN FLAME. AVOID FREEZING TEMPERATURE AND STRONG OXIDIZERS.

**SECTION 7 - OTHER INFORMATION:**

SLIPPERY MATERIAL; CLEAN UP SPILLS PROMPTLY TO AVOID ACCIDENTS.

**SECTION 08: EXPOSURE CONTROLS - PROTECTION**

EYE PROTECTION: SAFETY GOGGLES

RESPIRATORY PROTECTION: NONE USUALLY NEEDED

PERSONAL PROTECTIVE EQUIPMENT: NONE NORMALLY NEEDED

**SECTION 8 - OTHER INFORMATION:**

N/A

PROTECTIVE GLOVES (SPECIFY TYPE): RUBBER OR PLASTIC

**SECTION 09: PHYSICAL & CHEMICAL PROPERTIES**

ANALYTICAL VOC WITHOUT WATER: N/A

THEORETICAL VOC WITHOUT WATER: N/A

BOILING POINT TEMPS: &gt; 232.00C/ 450.00F

BOILING POINT TEXT: &gt;450 F

SPECIFIC GRAVITY VALUES: = 0.9600

SPECIFIC GRAVITY TEXT: =0.96

VAPOR DENSITY TEXT: N/A

VAPOR PRESSURE TEXT: N/A

PERCENT VOLATILE BY VOLUME TEXT: 0

PERCENT SOLID BY WEIGHT VALUES: 100.0000

PERCENT SOLID BY WEIGHT TEXT: 100%

EVAPORATION RATE VALUES: &lt; 1.00

EVAPORATION RATE TEXT: &lt;1 (ETHER=1)

SOLUBILITY IN WATER TEXT: NEGLIGIBLE

PH OF PRODUCT IN SOLUTION WITH WATER/TEXT: N/A

APPEARANCE: SMOOTH YELLOW PASTE; GREASE ODOR.

PHYSICAL STATE: PAS

PHYSICAL STATE TEXT: PASTE

**SECTION 10: STABILITY & REACTIVITY**

STABILITY INDICATOR: Y

STABILITY - CONDITIONS TO AVOID: AVOID TEMPERATURE EXTREMES

STABILITY - TEXT: YES

INCOMPATIBLE MATERIALS: STRONG OXIDIZERS, STRONG ALKALIES

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2

HAZARDOUS POLYMERIZATION INDICATOR: N

HAZARDOUS POLYMERIZATION - CONDITIONS TO AVOID: N/A

HAZARDOUS POLYMERIZATION TEXT: NO

**SECTION 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD: TREAT AS A PIGMENTED GREASE.

**SECTION 16: OTHER INFORMATION**

RCRA HAZARDOUS WASTE NUMBER TEXT: NONE ASSIGNED

LOCAL EXHAUST: NORMAL

SPECIAL PROTECTION: N/A

SPECIAL PROTECTION (MECHANICAL): N/A