

Material Safety Data Sheet  
**GM Power Steering Fluid – Cold Climate**

**SECTION 1 PRODUCT AND COMPANY IDENTIFICATION**

**Product:** GM Power Steering Fluid – Cold Climate  
**Company:** General Motors LLC  
Detroit, Michigan 48243  
**Packager:** Vulsay Industries Ltd., 35 Regan Road, Brampton,  
Ontario L7A 1B2  
**Phone #:** 905 846 2200  
**24 hours Emergency Phone #:** (CANUTEC) (613) 996 6666  
(CHEMTREC) (800) 424 9300

**Part # 12345866**  
**# 12345867**  
**# 10953471**  
**# 10953484**

**SECTION 2 HAZARD CLASSIFICATION**

**Classification:** Not classified as dangerous

**Immediate health effects:**

**Eye:** Not expected to cause prolonged or significant eye irritation.

**Skin:** Contact with the skin is not expected to be harmful.

**Ingestion:** Not expected to be harmful if swallowed.

**Inhalation:** Not expected to be harmful if inhaled. Prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit may cause respiratory irritation or other pulmonary effects.

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

COMPONENT	AMOUNT
Highly refined mineral oil (C15 - C50)	60 – 100 % weight
Methacrylate copolymer	1 – 5 % weight

**SECTION 4 FIRST AID MEASURES**

**Eye:** No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

**Skin:** No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated and thoroughly clean before reuse. Wash the affected skin with soap and water.

**Ingestion:** No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

**Inhalation:** No specific first aid measures are required. If necessary, move the exposed person to fresh air and get medical attention if respiratory discomfort occurs.

## SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. Open flame, pilot lights, sparks, or electric arcs).

**Flash point:** (Cleveland Open Cup) 175 °C (347 °F)

**Autoignition:** no data available

**Flammability Limits** (% volume by air): No data available

**Fire fighting instructions:** This material will burn although not easily ignited. While fighting fires, use proper protective equipment including self-containing breathing apparatus.

**Combustion Products:** A complex mixture of airborne solids, liquids, and gases including CO, CO<sub>2</sub> and unidentified organic compounds depending on combustion conditions.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**Protective Measures:** Eliminates all sources of ignition in vicinity of spilled material.

**Spill management:** Stop the source of release if you can do it without risk. Contain release. Clean up spill immediately observing precautions in exposure controls/personal protection. Remove contaminated materials and dispose of in a manner consistent with applicable regulations.

## SECTION 7 HANDLING AND STORAGE

**General handling information:** Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

**Static hazard:** Minimize the electrostatic discharge hazard by taking appropriate steps such as grounding and bonding.

## SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

**Engineering Controls:** Good general ventilation should be sufficient for most conditions.

**Eye/face protection:** Use safety glasses or chemical goggles if splashing or spraying is likely.

**Skin protection:** Use impervious gloves during prolonged or frequently repeated contact with the product. Wear apron or long sleeved body covering. Wash hands/exposed skin with soap and water.

**Respiratory protection:** None is needed under normal use. If required, use an approved air purifying respirator

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Colour:** Green

**Physical state:** Liquid

**Odor:** Petroleum odor

**Vapour pressure:** <0.01 mmHg @ 100 C

**Vapour density:**(Air = 1): >1

**Boiling Point:** >315 C

**Solubility:** Soluble in hydrocarbon solvents, insoluble in water

**Density:** 0.86 kg/L @ 15 C

**Viscosity:** 40mm<sup>2</sup>/s @ 40 C

**Viscosity:** 6.1 mm<sup>2</sup>/s – 7 mm<sup>2</sup>/s @ 100 C

#### SECTION 10 STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal ambient conditions.

**Incompatible materials:** Avoid contact with strong oxidizers such as chlorates, nitrates, peroxides.

**Hazardous polymerization:** Will not occur

**Hazardous decomposition products:** Not known (none expected)

#### SECTION 11 TOXICOLOGICAL PROPERTIES

**Eye:** Not expected to cause prolonged or significant eye irritation from short-term exposure.

**Skin:** Essentially nonirritating to skin on short-term exposure

**Ingestion:** No significant adverse health effects are expected if swallowed.

**Inhalation:** Vapors are unlikely due to physical properties. May cause irritation to respiratory tract

**Systematic & Other effects:** No relevant information available

#### SECTION 12 ECOLOGICAL INFORMATION

**Ecotoxicity:** This material is not expected to be harmful to aquatic organisms based on the properties of the individual components without any testing of the product.

**Persistent and degradability:** This material is not expected to be biodegradable based on the properties of the individual components without any testing of the product.

#### SECTION 13 DISPOSAL CONSIDERATION

**In case of spill or leak:** Eliminate all sources of ignition in vicinity of spilled material. Prevent entry into sewers or waterways. Contain spill with dike. Clean up with absorbent. **DO NOT FLUSH TO SEWERS, ON THE GROUND OR INTO ANY BODY WATER.** Disposal must comply with all federal, provincial and local laws and regulations.

#### SECTION 14 TRANSPORT INFORMATION

**TDG:** Not regulated

**DOT:** Not regulated

#### SECTION 15 REGULATORY INFORMATION

**WHMIS (Canada):** Not controlled

All components are listed on the DSL (Canada) and TSCA (United States).

**HMIS (U.S.A.):** Health – 0, Flammability – 1, Physical Hazards - 0

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<b>SECTION 16 OTHER INFORMATION</b>
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MSDS preparation date: March 18, 2013  
Prepared by: Quality control department

Revision #: 1 (Canadian Part #s added)

*The recommendations and data presented herein are believed to be correct. However, no warranty is expressed or implied regarding the accuracy of the data or the results obtained from the use of this information or the use of product.*