

# MATERIAL SAFETY DATA SHEET



## 1. Product and company identification

**PRODUCT NAME** : Fully Synthetic Super DEO 0W40 & 5W40  
**PRODUCT CODE** : 0092, 0117  
**COMMON USE** : Lubricating Oil  
**SUPPLIER** : NEMCO RESOURCES LTD.  
25 Midland Street  
Winnipeg, Manitoba  
R3E 3J6 Canada  
**PREPARED BY** : Nemco Resources LTD.  
**Date Issued** : October, 2013  
**Emergency (call collect)** : 204-788-1030  
**CANUTEC** : 613-996-6666

## 2. Hazards Identification

### EMERGENCY OVERVIEW

### POTENTIAL HEALTH EFFECTS

**ROUTES OF ENTRY:** (Eye Contact, Dermal, Inhalation.)

### ACUTE EFFECTS OF OVER EXPOSURE:

**Eyes** - Contact with eyes may cause irritation.

**Skin** - Contact with skin may cause irritation.

**Inhalation** - May cause irritation of the nose and throat.

**Ingestion** - May cause nausea and vomiting. Large quantities may affect the central nervous system.

**CHRONIC EFFECTS OF OVER EXPOSURE:** No adverse effects anticipated.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Existing dermatitis and respiratory conditions.

**CARCINOGENICITY:** NTP: No IARC: No OSHA: No



## **6. ACCIDENTAL RELEASE MEASURES**

**STEPS TO TAKE IF MATERIAL IS RELEASED OR SPILLED:** Personal protective equipment should be worn. Ventilate area if confined or poorly ventilated. Contain with dikes or absorbent to prevent migration to sewers/streams. Take up small spill with dry chemical absorbent; large spills may require pump or vacuum prior to absorbent. May require excavation of severely contaminated soil. Avoid contact with skin and eyes.

## **7. HANDLING AND STORAGE**

**HANDLING AND STORING:** Store in closed container away from all ignition sources. Handling temperatures should not exceed 175°F (80°C). Wash thoroughly after handling. Do not store at temperatures exceeding 113°F (45° C). Odorous and toxic fumes may form from the decomposition of this product if stored at excessive temperatures for extended periods of time. Open containers carefully and only in well ventilated areas or use appropriate respiratory protection. Store in well ventilated area.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- ENGINEERING CONTROLS** : Ventilate to control mists and vapors below exposure limits
- RESPIRATORY EQUIPMENT** : Normally not required, if exposure limits are exceeded use a Niosh approved organic vapor respirator. Self contained breathing apparatus is recommended for entry into confined spaces or other poorly ventilated areas and for large spill clean-up sites.
- EYE PROTECTION** : Chemical goggles or faceshield recommended to minimize eye contact
- PROTECTIVE CLOTHING** : Impervious (nitrile) gloves recommended when handling material to minimize exposure. Long sleeve shirts, chemically protective aprons and chemically protective boots are recommended for contact exposure or spill clean-up. Do not wear watches, rings or similar apparel that could entrap the material next to the skin.
- OTHER (SAFETY SHOWERS, EYE WASH STATIONS, ETC.)** : Water should be available for flushing and washing when exposure exists. Launder soiled clothes. Discard shoes or other leather articles saturated with the material.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

- APPEARANCE** : Amber Liquid
- ODOR** : Mild odor
- pH** : Not available
- BOILING POINT C (F)** : Not available
- SPECIFIC GRAVITY (water=1)** : 0.8600 - 0.8900
- FLASH POINT C (F)** : > 205(400)
- FLAMMABILITY** : Not established
- OXIDIZING PROPERTIES** : Not available
- VAPOR PRESSURE** : <1
- mmHg 20 C**
- VAPOR DENSITY:** : Not established

## 9. PHYSICAL AND CHEMICAL PROPERTIES

RELATIVE DENSITY, 15 C : 0.850-0.880  
SOLUBILITY IN WATER : Insoluble  
EVAPORATION RATE(ether=1) : <1

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

## 10. STABILITY AND REACTIVITY

pH : N/D

STABILITY :

STABLE **X** (At room temperature and pressure. See handling and storage section)

UNSTABLE

INCOMPATIBILITY -

CONDITIONS TO AVOID: See handling and storage section.

MATERIALS TO AVOID: Acids, oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Smoke, carbon monoxide, aldehydes, hydrogen sulfide and alkyl mercaptans may be released. Under combustion conditions, oxides of the following elements will be formed: Magnesium, calcium, nitrogen, sulfur, carbon.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL DATA

Note: Nemco has not conducted specific toxicity tests on this product.

## 12. ECOLOGICAL INFORMATION

Note: Nemco has not conducted specific ecological tests on this product.

## 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL PROCEDURES : Place contaminated materials in a disposable container and dispose of in accordance with Local, State and Federal environmental regulations.

## 14. TRANSPORT INFORMATION

**DOT PROPER SHIPPING NAME** : N/A  
**DOT HAZARD CLASS** : N/A  
**DOT IDENTIFICATION NUMBER** : N/A  
**DOT EMER. RESPONSE GUIDE NO.** : N/A

## 15. REGULATORY INFORMATION

This product (does/not) contain toxic chemicals subject to the reporting requirements of SARA Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS Number	Chemical Name	Percent by Weight
NA	Zinc compounds	0.17% as Zinc

### SARA SECTION 311-312 HAZARD CATEGORIES (40 CFR 370.2):

**FIRE:** No    **SUDDEN RELEASE OF PRESSURE:** No    **REACTIVE:** No    **ACUTE:** No    **CHRONIC:** No

## 16. OTHER INFORMATION

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### FOR FURTHER INFORMATION, CONTACT:

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