

MATERIAL SAFETY DATA SHEET



1. Product and company identification

PRODUCT NAME : Super Blue 10W30, 15W40 & Super DEO 10W30, 15W40
PRODUCT CODE : 0105, 0120, 0104, 0122
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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percentages (by weight)	PEL(OSHA)	TLV(ACGIH)	CAS#
Oil, Solvent Neutral	45-65%	N/A	5mg/m3 TWA (Oil Mist)	Mixture
Oil, Synthetic	20-30%	N/A	5mg/m3 TWA (Oil Mist)	64742-54-7
Performance Additives	Proprietary	N/A	N/A	N/A

(TWA) - Time Weighted Average is the employee's average airborne exposure in any 8-hour work shift of a 40-hour work week which shall not be exceeded.

(STEL) - Short Term Exposure Limit is the employee's 15-minute time weighted average exposure which shall not be exceeded at any time during a work day unless another time limit is specified.

4. FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

- EYE CONTACT** : If material comes in contact with the eyes, immediately wash the eyes with large amounts of water for 15 minutes, occasionally lifting the lower and upper lids. Get medical attention.
- SKIN CONTACT** : If the material comes in contact with the skin, wash the contaminated skin with soap and water promptly. If the material penetrates through clothing, remove the clothing and wash the skin with soap and water promptly. If irritation persists after washing, get medical attention immediately.
- INHALATION** : If person breathes in large amounts of material, move the exposed person to fresh air at once. If breathing has stopped, perform artificial respiration. Keep the person warm and at rest. Get medical attention as soon as possible.
- INGESTION** : If material has been swallowed, do not induce vomiting. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

FLASH POINT: >400°F (>205°C)

AUTO IGNITION TEMP: >500° F

FLAMMABLE LIMITS IN AIR
 % BY VOLUME

LOWER
 N/A

UPPER
 N/A

EXTINGUISHING MEDIA : Use water spray to cool fire exposed surfaces and to protect personnel. Use foam, dry chemical or water spray (fog) to extinguish fire

SPECIAL FIRE FIGHTING PROCEDURES : When fighting fires wear full turnout gear and self contained breathing apparatus. Water may cause splattering. Material floats on water

UNUSUAL FIRE AND EXPLOSION HAZARDS : Toxic fumes gases or vapors may evolve on burning.

HAZARD RATINGS : NFPA 704: Health- 1 Fire- 1 Reactivity- 0
 HMIS: Health- ___ Fire- ___ Reactivity

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 face shield 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 68 F
- VAPOR DENSITY(air=1)** : Not established

9. PHYSICAL AND CHEMICAL PROPERTIES

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, and 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

0

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

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control. All risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Nothing is intended as a recommendation for uses, which infringe valid patents, or as extending license under valid patents. Appropriate warnings and safe-handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, republication or retransmission of this document, in whole or in part, is not permitted. Nemco assumes no responsibility for accuracy of information unless the document is the most current available from an official Nemco distribution system. Nemco neither represents nor warrants that the format, content or product formulas contained in this document comply with the laws of any country except Canada.

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