

# SAFETY DATA SHEET

Date Prepared : 08/04/2015

SDS No : 1049265

Date Revised : 01/27/2018

Revision No : 5

## Nordson EP2 Oil

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Nordson EP2 Oil**GENERAL USE:** Lubricant**MANUFACTURER**

enviro-blend, Inc.

P.O. Box 329

Springfield, TN 37172

**Customer Service:** 615-382-8215**E-Mail:** enviroblend@birch.net**24 HR. EMERGENCY TELEPHONE NUMBERS**

ChemTel (US, Canada Transportation) - 1-800-255-3924

(Contract # MIS1186925)

### 2. HAZARDS IDENTIFICATION

**GHS LABEL**

Non Hazardous

**EMERGENCY OVERVIEW****PHYSICAL APPEARANCE:** Dark green liquid at room temperature.**IMMEDIATE CONCERNS:** None Expected.**POTENTIAL HEALTH EFFECTS****EYES:** Contact may cause eye irritation.**SKIN:** Repeated or prolonged skin contact may cause skin irritation.**INGESTION:** Low toxicity if swallowed.**MEDICAL CONDITIONS AGGRAVATED:** Ingestion may result in nausea, vomiting and or diarrhea. Pre-existing medical conditions of the skin may be aggravated by exposure to the material.**CANCER STATEMENT:** Not classified as a human carcinogen.**IRRITANCY:** Not a primary irritant.**SENSITIZATION:** Not a sensitizer.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Distillates (petroleum) Solvent Dewaxed Heavy Paraffins	60 - 100	64742-65-0
Distillates, Petroleum, Hydrotreated Light	0.1 - 1	64742-47-8
Zinc alkyl dithiophosphate	1 - 1.25	68649-42-3

**COMMENTS:** The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346.

### 4. FIRST AID MEASURES

**EYES:** Immediately flush with plenty of water for at least 15 minutes; ensure water flushing of entire surface of eye and lid. Obtain medical attention if irritation persists.**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.**INGESTION:** In general no treatment is necessary unless large quantities are swallowed, however, it is best to get medical advice.**INHALATION:** No treatment is necessary under normal conditions of use. If symptoms persist, obtain medical advice.

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### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** May cause slight eye irritation.

**SKIN:** Prolonged contact may produce oil acne/ dermatitis.

**INGESTION:** Not expected in industrial use.

**INHALATION:** May cause dizziness.

**NOTES TO PHYSICIAN:** Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** CO<sub>2</sub>, Dry Chemical, Water Fog.

**HAZARDOUS COMBUSTION PRODUCTS:** Hazardous decomposition products include carbon dioxide and carbon monoxide.

**EXPLOSION HAZARDS:** None Expected.

**FIRE FIGHTING PROCEDURES:** Use water spray to cool fire-exposed containers.

**FIRE FIGHTING EQUIPMENT:** Wear approved self-contained breathing apparatus.

**FIRE EXPLOSION:** None Expected.

**SENSITIVE TO STATIC DISCHARGE:** Not yet Determined

**SENSITIVITY TO IMPACT:** None

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Avoid runoff into storm sewers and ditches which lead to waterways.

**LARGE SPILL:** Stop leak. Dike to contain spill, cover with inert absorbent material, sweep up and place in suitable container(s) for disposal.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Keep spills and cleaning run-off out of municipal sewers and open bodies of water.

**GENERAL PROCEDURES:** Spilled product is extremely slippery. Do not walk through spilled material.

**RELEASE NOTES:** Keep out of open bodies of water.

**SPECIAL PROTECTIVE EQUIPMENT:** See section 8

### 7. HANDLING AND STORAGE

**HANDLING:** Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

**STORAGE:** Keep container tightly closed in a dry and well-ventilated area.

**STORAGE TEMPERATURE:** Store at ambient temperatures.

**SHELF LIFE:** 48 months from date of purchase.

**ELECTROSTATIC ACCUMULATION HAZARD:** This product has the potential to be a static accumulator. Proper grounding and bonding procedures should be used during all bulk transfer operations.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m <sup>3</sup>
	Distillates (petroleum) Solvent Dewaxed Heavy Paraffins	OSHA PEL	TWA	[1]
ACGIH TLV		TWA	[1]	5 [1]
Distillates, Petroleum, Hydrotreated Light	ACGIH TLV	STEL		200 (8 hour)
<b>Footnotes:</b>				
1. Oil Mist, Mineral				

### PERSONAL PROTECTIVE EQUIPMENT

#### EYES AND FACE:

Wear safety glasses or splash goggles.

**SKIN:** Wear impervious gloves.

**RESPIRATORY:** None required for normal operation. Use an approved respirator when exposure to vapors of mists is anticipated.

**PROTECTIVE CLOTHING:** Impervious clothing. The type of protective clothing must be selected according to the concentration and amount of the product handled at the specific workplace.

**WORK HYGIENIC PRACTICES:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

**OTHER USE PRECAUTIONS:** There should be an eye wash close by.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** slight hydrocarbon

**ODOR THRESHOLD:** No data available.

**APPEARANCE:** dark green

**COLOR:** dark green

**pH:** NA = Not Applicable

**FLASH POINT AND METHOD:** 250°C (482°F) Cleveland Open Cup

**FLAMMABLE LIMITS:** 1 to 10

**AUTOIGNITION TEMPERATURE:** 320°C (608°F)

**VAPOR PRESSURE:** 0.5 Pa @ 20 °C / 68 °F (estimated).

**VAPOR DENSITY:** Typical = 0.895 at 15 °C / 59 °F

**BOILING POINT:** > 280°C (536°F)

**FREEZING POINT:** No data available.

**MELTING POINT:** NA = Not Applicable

**POUR POINT:** ~ - 15°C

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**THERMAL DECOMPOSITION:** No data available.

**SOLUBILITY IN WATER:** Virtually insoluble

**PARTITION COEFFICIENT: N-OCTANOL/WATER:** >6 (based on information on similar products)

**EVAPORATION RATE:** No data available.

**DENSITY:** 7.49 lb. / gal at 15°C (59°F) 895 kg/m<sup>3</sup> at 15°C (59°F)

**SPECIFIC GRAVITY:** 0.895

**(VOC):** Not a VOC

**OXIDIZING PROPERTIES:** No data available.

**WEIGHT PER VOLUME:** 7.49 lb/gal.

### 10. STABILITY AND REACTIVITY

**REACTIVITY:** None known.

**STABILITY:** Stable under normal use conditions,

**CONDITIONS TO AVOID:** Excessive heat, sparks and open flames.

**POSSIBILITY OF HAZARDOUS REACTIONS:** If stored and handled properly: none known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None under normal use conditions, oxides of carbon when burned.

**INCOMPATIBLE MATERIALS:** Oxidizers.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY

**DERMAL LD<sub>50</sub>:** > 5000 mg/kg rabbit

**ORAL LD<sub>50</sub>:** > 5000 mg/kg (rat)

#### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status	Other	General Toxicity
Distillates (petroleum) Solvent Dewaxed Heavy Paraffins	Not a carcinogen	Not a carcinogen	Not a carcinogen	Not a carcinogen	The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346 and is therefore not classifiable as a carcinogen by ACGIH Group A4, IARC 3 and GHS/CLP.

**IARC:** Not a carcinogen.

**NTP:** Not a carcinogen.

**OSHA:** Not a carcinogen.

**NOTES:** not expected to be carcinogenic. Product contains mineral oils of types shown to be non-carcinogenic in animal skin-painting.

**REPRODUCTIVE TOXICITY:** None Expected.

**GENERAL COMMENTS:** Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and the environment on disposal. ALL used oil should be handled with caution and skin contact avoided as far as possible. Continuous contact with used engine oils has caused skin Cancer in animal tests.

### 12. ECOLOGICAL INFORMATION

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**ECOTOXICOLOGICAL INFORMATION:** Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products. Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual components.

**BIOACCUMULATION/ACCUMULATION:** Contains components with the potential to bioaccumulate.

**DISTRIBUTION:** Liquid under most environmental conditions. If it enters soil, it will adsorb to soil particles and will not be mobile. Floats on water.

### AQUATIC TOXICITY (ACUTE)

**Notes:** Poorly soluble mixture. May cause physical fouling of aquatic organisms. Expected to be practically non toxic: LL/EL/IL/50 > 100 mg/L (to aquatic organisms) LL/EL/50 expressed as the nominal amount of product required to prepare aqueous test extract. Mineral oil is not expected to cause any chronic effects to aquatic organisms at concentrations less than 1mg/L

**CHEMICAL FATE INFORMATION:** Expected to be not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.

**GENERAL COMMENTS:** Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses.

**FOR LARGE SPILLS:** Stop Leak. Dike to contain spill, cover with inert absorbant material, sweep up and place in suitable container for proper disposal.

**PRODUCT DISPOSAL:** Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable governmental regulations.

### EMPTY CONTAINER:

offer to licensed container recycler.

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not regulated.

### ROAD AND RAIL (ADR/RID)

**PROPER SHIPPING NAME:** Not regulated.

### AIR (ICAO/IATA)

**SHIPPING NAME:** Not regulated.

### VESSEL (IMO/IMDG)

**SHIPPING NAME:** Not regulated.

## 15. REGULATORY INFORMATION

### UNITED STATES

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

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**311/312 HAZARD CATEGORIES:** No SARA 311 / 312 Hazards.

**313 REPORTABLE INGREDIENTS:** Zinc alkyl dithiophosphate (68649-42-3) 1.21%

### CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** This material does not contain any CERCLA regulated chemicals.

### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Distillates (petroleum) Solvent Dewaxed Heavy Paraffins	64742-65-0
Distillates, Petroleum, Hydrotreated Light	64742-47-8

**TSCA STATUS:** All Components listed

### REGULATIONS

**STATE REGULATIONS:** All Components listed in section 3 are listed on the New Jersey Right-to-Know List.

Components listed in section 3 (CAS#'s 64742-65-0 and 64742-478) are listed on the Pennsylvania Right-to-Know List.

**CALIFORNIA PROPOSITION 65:** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

### CANADA

**DOMESTIC SUBSTANCE LIST (INVENTORY):** This product is listed or exempt from listing on the DSL inventory of Canada.

## 16. OTHER INFORMATION

**REASON FOR ISSUE:** GHS Format

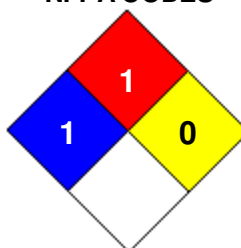
**Date Revised:** 01/27/2018

**REVISION SUMMARY:** This SDS replaces the 01/27/2018 SDS. Revised: **Section 1:** .

### HMIS RATING

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

### NFPA CODES



**DATA SOURCES:** The SDS is compiled using supplied product information and SDS information from the manufacturers of the raw materials used in the formulation of this product.

**ADDITIONAL SDS INFORMATION:** The standard abbreviations and acronyms used in this document can be looked up in reference literature (e.g. scientific dictionaries) and / or websites. Not all acronyms and abbreviations listed below have been incorporated in the Safety Data Sheet

Legend:

ACGIH: American Conference of Governmental Industrial Hygienists

AICS: Australian Inventory of Chemical Substances

ADN: European Agreement concerning the international carriage of dangerous goods by inland waterways (ADN)

ADNR: ADN Specific for the Rhine

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

ASTM: American Society for Testing and Materials

BEL: Biological Exposure Limits

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BTEX: Benzene, Toluene, Ethylbenzene, Xylenes  
CAS: Chemical Abstracts Services  
CEFIC: European Chemical Industry Council  
CLP: Classification Packaging and Labelling.  
COC: Cleveland Open-Cup  
DIN: Deutsched Institute fur Normung  
DMEL: Derived Minimal effect Level  
DNEL: Derived No Effect Level  
DSL: Canada Domestic Substance List  
EC: European Commission  
EC50): Effective Concentration Fifty  
ECETOC: European Center on Ecotoxicology and Toxicology of Chemicals  
ECHA: European Chemicals Agency  
EINECS: The European Inventory of Existing Commercial Chemical Substances  
EL50): Effective Loading Fifty  
ENCS: Japanese Existing and New Chemical Substances Inventory  
EWC: European Waste Code  
GHS: Globally Harmonised system of Classification and Labelling of Chemicals  
DMSO: Dimethyl Sulfoxide  
EU: European Union  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association.  
IC50: Inhibitory Concentration 50  
IL50: Inhibitory Level Fifty  
IMDG: International Maritime Dangerous Goods  
INV: Chinese Chemicals Inventory  
IP346: Institute of Petroleum Test Method N0 346 for the determination of polycyclic aromatics DMSO-extractables  
KECI: Korea Existing Chemicals Inventory  
LC50: Lethal Concentration Fifty  
LD50: Lethal Dose Fifty  
LL/EL/IL: Lethal Loading/Effective Loading/ Inhibitory Loading  
LL50: Lethal Loading 50  
MARPOL: International Convention for the Prevention of Pollution from Ships  
NIOSH: National Institute of Occupational Safety and Health  
NOEC/NOEL: No observed Effect Concentration / No observed Effect Level  
NOHSC: National Occupational Health and Safety Commission  
OE\_HP:V: Occupational Exposure - High Production Volume  
PBT: Persistent, Bioaccumulative and Toxic  
PICCS: Philippine Inventory of Chemicals and Chemical Substances  
PNEC: Predicted No Effect Concentration  
REACH: Registration Evaluation and Authorization of Chemicals  
RID: Regulations Relating to International Carriage of Dangerous Goods by Rail  
SKIN\_DES: Skin Designation  
STEL: Thort Term Ex[osure Limit  
TRA: Targeted Risk Assessment  
TREGS: Technical Rules for Hazardous Substances  
TSCA: US Toxic Substances Control Act  
TWA: Time-Weighted Average  
vPvB: Very Persistent and Very Bioaccumulative  
NTP: United Nations Toxicology Program.

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OSHA: Occupational Safety and Health Act.

HMIS: Hazardous Materials Identification System.

NFPA: National Fire Protection Association.

### **MANUFACTURER DISCLAIMER:**

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