

# SAFETY DATA SHEET

Date Prepared : 08/28/2015

SDS No : 900214

Date Revised : 01/05/2016

Revision No : 1

## Nordson Vitalizer Oil

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Nordson Vitalizer Oil  
**GENERAL USE:** Lubricant  
**PRODUCT CODE:** 900214 / 900215 / 900216

#### 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

Not classified as hazardous under EC criteria.

**HEALTH HAZARDS:** Not expected to be a health hazard when used under normal conditions. Prolonged or repeated skin contact without proper cleaning can result in skin irritation or dermatitis.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Distillates (petroleum) Solvent Dewaxed Heavy Paraffins	100	64742-65-0
Diphenylamine	0.001	122-39-4
1,2,4-trimethylbenzene	0.001	95-63-6
Cumene	0.0001	98-82-8

### 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.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

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

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

**SKIN ABSORPTION:** None Expected.

**INGESTION:** Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**INHALATION:** None Expected.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** dry chemical, foam, carbon dioxide, water fog.

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**HAZARDOUS COMBUSTION PRODUCTS:** Hazardous combustion products may include: a complex mixture of airborne solid and liquid particulates and gasses. Carbon monoxide may be evolved if incomplete combustion occurs. Unidentified organic and inorganic compounds.

**EXPLOSION HAZARDS:** None Expected.

**FIRE FIGHTING EQUIPMENT:** Wear self-contained breathing apparatus with full face piece, operated in pressure demand or other positive pressure mode, and full protective clothing.

**FIRE EXPLOSION:** None known.

**SENSITIVE TO STATIC DISCHARGE:** None known.

**SENSITIVITY TO IMPACT:** NA = Not Applicable

**COMMENTS:** Clear fire area of all non-emergency personnel.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Dike to contain spill. Sweep up with inert material and place in suitable container for disposal.

**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

**GENERAL PROCEDURES:** Provide proper exhaust ventilation system in areas where fumes may form. Take normal fire prevention measures.

**HANDLING:** Use of proper hygiene practices in the workplace is recommended.

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

**COMMENTS:** Storage class according to TRGS 510: 10; Fire hazard classification: B

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m <sup>3</sup>
Distillates (petroleum) Solvent Dewaxed Heavy Paraffins	OSHA PEL	TWA	[1]	5 [1]
	ACGIH TLV	TWA	[1]	5 [1]

**Footnotes:**  
1. Oil Mist, Mineral

**ENGINEERING CONTROLS:** Local exhaust is recommended when handling generated mists and vapors.

#### PERSONAL PROTECTIVE EQUIPMENT

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### 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

**APPEARANCE:** Clear

**COLOR:** Light yellow.

**pH:** NA = Not Applicable

**FLASH POINT AND METHOD:** > 215°C (419°F) Cleveland Open Cup

**FLAMMABLE LIMITS:** 1 % (V/V) to 10% (V/V)

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

**VAPOR PRESSURE:** < 0.5 Pa at 20°C (68°F)

**VAPOR DENSITY:** > 1 air = 1.0

**BOILING POINT:** > 280°C (536°F) to (280°F)

**FREEZING POINT:** < -12°C

**MELTING POINT:** NA = Not Applicable

**POUR POINT:** < - 12°C

**THERMAL DECOMPOSITION:** No data available.

**SOLUBILITY IN WATER:** Virtually insoluble

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

**EVAPORATION RATE:** NA = Not Applicable

**DENSITY:** 850 kg/m<sup>3</sup> @ 15 C.

**SPECIFIC GRAVITY:** 0.849 kg/m<sup>3</sup>

**SPECIFIC VOLUME:** 85.149 g/L

**VISCOSITY #1:** 32 mm<sup>2</sup>/s at 40°C Kinematic

**WEIGHT PER VOLUME:** 85.149 g/L

### 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** None

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

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

**POSSIBILITY OF HAZARDOUS REACTIONS:** None known.

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

**INCOMPATIBLE MATERIALS:** No data available.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY

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

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

**INHALATION LC<sub>50</sub>:** Not considered to be an inhalation hazard under normal conditions of use.

#### NOTES:

**SKIN CORROSION/IRRITATION:** Non corrosive.

**SERIOUS EYE DAMAGE/IRRITATION:** Inhalation of vapours or mists may cause irritation.

**RESPIRATORY OR SKIN SENSITISATION:** Not a sensitizer.

**GERM CELL MUTAGENICITY:** None known.

#### 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.

**REPRODUCTIVE TOXICITY:** Not expected to be a hazard

**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.

### 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Ecotoxicological data have not been determined specifically for this product. Information

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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.

**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 is 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:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**EMPTY CONTAINER:**

offer to licensed container recycler.

**RCRA HAZARD CLASS:** NA = Not Applicable

### 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.

**CANADA TRANSPORT OF DANGEROUS GOODS**

**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:** This material does not contain any SARA 313 chemicals above the de minimus levels.

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** NA = Not Applicable

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

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

Chemical Name	Wt.%	CERCLA RQ
Cumene	0.0001	5,000

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Distillates (petroleum) Solvent Dewaxed Heavy Paraffins	64742-65-0
Diphenylamine	122-39-4
1,2,4-trimethylbenzene	95-63-6
Cumene	98-82-8

**TSCA STATUS:** All Components listed

**OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)**

**29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS:** NA = Not Applicable

**REGULATIONS**

**STATE REGULATIONS:** All components listed in section 3 are listed on Pennsylvania and New Jersey Right to Know.

**RCRA STATUS:** NA = Not Applicable

**OSHA HAZARD COMM. RULE:** NA = Not Applicable

**CANADA**

**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** Non-controlled

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

**16. OTHER INFORMATION**

**REASON FOR ISSUE:** GHS Format

**Date Revised:** 01/05/2016

**REVISION SUMMARY:** This SDS replaces the 09/25/2015 SDS. Revised: **Section 1:** 24 HR. EMERGENCY TELEPHONE NUMBERS.

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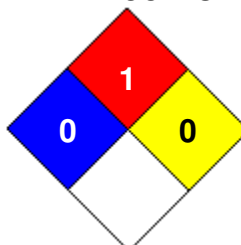
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### HMIS RATING

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

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 für 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

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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: Short Term Exposure 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.  
OSHA: Occupational Safety and Health Act.  
HMIS: Hazardous Materials Identification System.  
NFPA: National Fire Protection Association.

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