

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 08/28/2015
 SDS No : 900214
 Date Revised : 01/05/2016
 Revision No : 1

Nordson Vitalizer Oil

SECTION 1 : Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Product code : 900214 / 900215 / 900216
 Product name : Nordson Vitalizer Oil

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : Lubricant

1.3. Details of the supplier of the safety data sheet

Manufacturer

enviro-blend, Inc.
 P.O. Box 329
 Springfield, TN 37172

Service Number : 615-382-8215
 E-Mail : enviroblend@birch.net

1.4. Emergency telephone number

ChemTel (US, Canada Transportation) - 1-800-255-3924 (Contract # MIS1 186925)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

: Not classified as dangerous under EC criteria.

2.2. Label elements

Not classified as hazardous under EC criteria.

2.3. Other hazards

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.

SECTION 3: Composition / information on ingredients

3.1. Substances

Not Applicable

3.2. Mixtures

Chemical Name	CAS	EINECS No.	Wt. %
Distillates (petroleum) Solvent Dewaxed Heavy Paraffins	64742-65-0	265-169-7	100
Diphenylamine	122-39-4	204-539-4	0.001
1,2,4-trimethylbenzene	95-63-6	Not Applicable	0.001
Cumene	98-82-8	Not Applicable	0.0001

SECTION 4: First aid measures

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4.1. Description of first aid measures

- Following 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.
- Following skin** : Wash with soap and water. Get medical attention if irritation develops or persists.
- Following ingestion** : In general no treatment is necessary unless large quantities are swallowed, however, it is best to get medical advice.
- Following inhalation** : No treatment is necessary under normal conditions of use. If symptoms persist, obtain medical advice.

4.2. Most important symptoms and effects, both acute and delayed

- 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.

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Fire fighting measures

5.1. Extinguishing media

- Extinguishing media** : dry chemical, foam, carbon dioxide, water fog.

5.2. Special hazards arising from the substance or mixture

- 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 explosion** : None known.
- Sensitive to static discharge** : None known.
- Sensitivity to impact** : NA = Not Applicable

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General procedures** : Spilled product is extremely slippery. Do not walk through spilled material.
- Special protective equipment** : See section 8
- Release notes** : Keep out of open bodies of water.

6.2. Environmental precautions

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Water spill : Keep spills and cleaning run-off out of municipal sewers and open bodies of water.

6.3. Methods and material for containment and cleaning up

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.

6.4. Reference to other sections

Reference to other sections : For disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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.

7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)

Additional information : Storage class according to TRGS 510: 10; Fire hazard classification: B

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

8.2. Exposure controls

Engineering controls : Local exhaust is recommended when handling generated mists and vapors.

Eye/face protection :
Wear safety glasses or splash goggles.

Skin protection : Wear impervious gloves.

Respiratory protection : 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 precautions : There should be an eye wash close by.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Clear

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Colour	: Light yellow.
Odour	: slight hydrocarbon
pH	: NA = Not Applicable
Melting temperature	: NA = Not Applicable
Freezing temperature	: < -12°C
Boiling temperature	: > 280°C (536°F) to (280°F)
Flash point	: > 215°C (419°F) Cleveland Open Cup
Evaporation rate	: NA = Not Applicable
Flammable limits	: 1 % (V/V) to 10% (V/V)
Vapor pressure	: < 0.5 Pa at 20°C (68°F)
Vapor density	: > 1 air = 1.0
Density	: 850 kg/m ³ @ 15 C.
Specific gravity	: 0.849 kg/m ³
Solubility in water	: Virtually insoluble
Partition coefficient: n-octanol/water	: >6 (based on information on similar products)
Auto-ignition temperature	: > 320°C (608°F)
Thermal decomposition	: No data available.
Viscosity #1	: 32 mm ² /s at 40°C Kinematic
Pour point	: < - 12°C
Specific volume	: 85.149 g/L
Weight per volume	: 85.149 g/L

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Chemical stability : Stable under normal use conditions,

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions : None known.

Hazardous polymerization : None

10.4. Conditions to avoid

Conditions to avoid : Excessive heat, sparks and open flames.

10.5. Incompatible materials

Incompatible materials : No data available.

10.6. Hazardous decomposition products

Hazardous decomposition products : None under normal use conditions, oxides of carbon when burned.

SECTION 11: Toxicological information

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11.1. Information on toxicological effects

Acute

- Dermal LD₅₀** : > 5000 mg/kg rabbit
- Oral LD₅₀** : > 5000 mg/kg (rat)
- Inhalation LC₅₀** : 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	IARC Status	Other	General Toxicity
Distillates (petroleum) Solvent Dewaxed Heavy Paraffins	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.

- Reproductive toxicity** : Not expected to be a hazard

SECTION 12: Ecological information

12.1. Toxicity

- Toxicity** : 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.
- 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

12.2. Persistence and degradability

- Persistence and degradability** : 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.

12.3. Bioaccumulative potential

- Bioaccumulative potential** : Contains components with the potential to bioaccumulate.

12.4. Mobility in soil

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

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

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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.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

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.

Empty container :
offer to licensed container recycler.

SECTION 14: Transport information

14.1. UN number

UN number : N/A

14.2. UN proper shipping name

UN proper shipping name : Non-controlled

14.3. Transport hazard class(es)

Primary hazard class/division : Not regulated for transport

14.4. Packing group

Packing group : N/A

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

RoHS : NA = Not Applicable

15.2. Chemical safety assessment

Chemical safety assessment : Non Hazardous material.

SECTION 16: Other information

Reason for issue : GHS Format

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

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.

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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 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

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NOEC/NOEL: No observed Effect Concentration / No observed Effect Level
 NOHSC: National Occupational Health and Safety Commission
 OE_HP: 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.

Manufacturer disclaimer

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