

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 08/28/2015
 SDS No : 900214
 Date Revised : 04/24/2018
 Revision No : 2

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 # MIS1186925)

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

Immediate concerns : None Expected.

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

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

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 08/28/2015

SDS No : 900214

Date Revised : 04/24/2018

Revision No : 2

Nordson Vitalizer Oil

	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

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.
--------------------	---

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 08/28/2015
 SDS No : 900214
 Date Revised : 04/24/2018
 Revision No : 2

Nordson Vitalizer Oil

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)

Specific end use(s) : Lubricant

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

Colour : Light yellow.

Odour : slight hydrocarbon

pH : NA = Not Applicable

Melting temperature : NA = Not Applicable

Freezing temperature : < -12°C

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 08/28/2015
SDS No : 900214
Date Revised : 04/24/2018
Revision No : 2

Nordson Vitalizer Oil

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

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.

Skin corrosion/irritation : Non corrosive.

Serious eye damage/irritation : Inhalation of vapours or mists may cause irritation.

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 08/28/2015
SDS No : 900214
Date Revised : 04/24/2018
Revision No : 2

Nordson Vitalizer Oil

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.

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

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

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 if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 08/28/2015

SDS No : 900214

Date Revised : 04/24/2018

Revision No : 2

Nordson Vitalizer Oil

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 01/05/2016 SDS. Revised: **Section 2:** CANCER STATEMENT, CARCINOGENICITY, EMERGENCY OVERVIEW (PHYSICAL APPEARANCE), IRRITANCY, MEDICAL CONDITIONS AGGRAVATED, MUTAGENICITY, POTENTIAL HEALTH EFFECTS (SKIN, SKIN ABSORPTION, INHALATION, INGESTION), REPRODUCTIVE EFFECTS, SENSITIZATION, TERATOGENIC EFFECTS, WARNING CAUTION LABELS, HAZARDS NOT OTHERWISE CLASSIFIED. **Section 5:** FLAMMABLE CLASS. **Section 7:** .

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 Hygenists
AICS: Australian Inventory of Chemical Substances

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 08/28/2015

SDS No : 900214

Date Revised : 04/24/2018

Revision No : 2

Nordson Vitalizer Oil

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

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 08/28/2015
SDS No : 900214
Date Revised : 04/24/2018
Revision No : 2

Nordson Vitalizer Oil

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

: As the conditions or methods of use are beyond our control, Enviro-blend, Inc. does not assume any responsibility and expressly disclaims any liability for any use of this material. Information contained herein has been obtained from the manufacturer and / or recognized technical sources. The information is believed to be true and accurate, but all statements or suggestions are made without warranty, express or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user.