

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 07/28/2015
 SDS No : 1120290
 Date Revised : 07/01/2020
 Revision No : 3

Nordson High Temp Lube

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

1.1. Product identifier

Product name : Nordson High Temp Lube

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

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]

: Non Hazardous

2.2. Label elements

Non Hazardous

2.3. Other hazards

Immediate concerns : No data available.

SECTION 3: Composition / information on ingredients

3.1. Substances

Chemical Name	CAS	Wt.%
Polydimethylsiloxane	63148-62-9	100

3.2. Mixtures

Not Applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

General notes : Show this Safety Data Sheet to the medical professional in attendance..

Following eyes : Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

Following skin : Wash with soap and water. Get medical attention if irritation develops or persists.

Following ingestion : Give several small portions of water to drink. Do not induce vomiting.

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Following inhalation : Move person to fresh air. If not breathing, give artificial respiration and consult a physician.

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

General notes : Any relevant information can be found in other parts of this section.

Eyes : May cause slight eye irritation.

Skin : No acute toxic effects are expected.

Skin absorption : None Expected.

Ingestion : Not expected in industrial use.

Inhalation : Not expected due to low vapor pressure.

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

SECTION 5: Fire fighting measures

5.1. Extinguishing media

Extinguishing media : Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

5.2. Special hazards arising from the substance or mixture

General hazard : NA = Not Applicable

Hazardous combustion products : Hazardous decomposition products include carbon dioxide, carbon monoxide, formaldehyde, silicon dioxide and incompletely burned hydrocarbons.

Explosion hazards : None

Fire explosion : None

Sensitive to static discharge : None known.

Sensitivity to impact : None

5.3. Advice for firefighters

Fire fighting procedures : Use water spray to cool fire-exposed containers.

Fire fighting equipment : Wear approved self-contained breathing apparatus.

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 8.2

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.

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

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6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

General procedures	: No special protective measures are required.
Handling	: Spilled product increases risk of slipping. Liquid silicone based materials have lubricating properties that can substantially reduce or eliminate traction and may pose a slip hazard.
Storage	: Keep container tightly closed in a dry and well-ventilated area.

7.2. Conditions for safe storage, including any incompatibilities

Storage temperature	: 5.0°C Minimum to 50.0°C Maximum
Electrostatic accumulation hazard	: No data available.
Shelf life	: 48 months from date of purchase.
Special sensitivity	: No data available.

7.3. Specific end use(s)

Specific end use(s)	: Lubricant
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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.
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	: Colorless
Odour	: Mild, not unpleasant.
pH	: 7.0 approximate
Freezing temperature	: -35°C to -50°C
Boiling temperature	: Not yet Determined

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Flash point	: > 260°C (500°F) ISO 2719
Flammability (solid, gas)	: NA = Not Applicable
Vapor pressure	: No data available.
Vapor density	: No data available.
Specific gravity	: 0.97
Solubility in water	: Virtually insoluble
Auto-ignition temperature	: NA = Not Applicable
Thermal decomposition	: > 250°C
Viscosity #1	: 324 to 356 mPa.s at 25°C Dynamic (DIN 53019)
Viscosity #2	: ~ 350 mm ² /s at 25°C Kinematic (DIN 53019)
Weight per volume	: 8.15 lb/gal.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity : None Expected.

10.2. Chemical stability

Chemical stability : Stable under normal use conditions,

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions : If stored and handled properly: none known.

Hazardous polymerization : None

10.4. Conditions to avoid

Conditions to avoid : None known.

10.5. Incompatible materials

Incompatible materials : None known.

10.6. Hazardous decomposition products

Hazardous decomposition products : If stored and handled properly: none known. Measurements have shown the formation of small amounts of formaldehyde at temperatures above 150° C through oxidation.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute

Dermal LD₅₀ : > 2008 mg/kg (rat)

Notes : Not a primary irritant.

Oral LD₅₀ : > 5000 mg/kg (rat)

Notes : Based on the available data acute toxic effects are not expected after a single oral exposure.

Inhalation LC₅₀ : No data available.

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Skin corrosion/irritation	: None Expected.
Serious eye damage/irritation	: Not a primary irritant.
Respiratory or skin sensitisation	: Not a sensitizer (guinea pig)
Germ cell mutagenicity	: Negative.
Carcinogenicity	: No data available.
Reproductive toxicity	: No data available.
STOT-single exposure	: No data available.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity (acute)

48-hour EC₅₀ : > 0.0001 mg/L (daphnia magn) effect level . maximum achievable concentration.

Notes : No expected damaging effects to aquatic organisms. Current knowledge indicates no adverse effects on water purification plants.

12.2. Persistence and degradability

Persistence and degradability : Silicone content: biologically is not degradable. Elimination by adsorption to activated sludge. Polydimethylsiloxanes are degradable to a certain extent in abiotic processes.

12.3. Bioaccumulative potential

Bioaccumulative potential : None Expected.

12.4. Mobility in soil

Mobility in soil : Polymer component: Insoluble in water. Forms thin oil film on surface of water. Absorbed by floating particles. Separation by sedimentation.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Environmental data : None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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.

SECTION 14: Transport information

14.1. UN number

14.2. UN proper shipping name

UN proper shipping name : Not regulated.

14.3. Transport hazard class(es)

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Primary hazard class/division : Not regulated for transport

14.4. Packing group

14.5. Environmental hazards

Marine pollutant #1 : NA = Not Applicable

14.6. Special precautions for user

ADR - road : Not regulated for transport.

RID - rail : Not regulated for transport.

IMDG - sea : Not regulated for transport.

IATA - air : Not regulated for transport.

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

Transport in bulk : Bulk transport in tankers is not intended.

SECTION 15: Regulatory information

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

RoHS : NA = Not Applicable

International regulations : This product is listed in, or complies with the substance inventory of the following substance inventories: ECL, ENCS, AICS, IECSC, DSLK, PICCS, TSCA, REACH.

15.2. Chemical safety assessment

SECTION 16: Other information

Reason for issue : GHS Format

Revision summary : This SDS replaces the 01/05/2016 SDS.

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

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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: 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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