

SAFETY DATA SHEET

Date Prepared : 02/13/2015
 SDS No : 900255 / 900256
 Date Revised : 07/01/2020
 Revision No : 4

Nordson Type K Fluid

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Nordson Type K Fluid
GENERAL USE: Lubricant
PRODUCT CODE: 900255 / 900256

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 dangerous according to regulatory guidelines.

PRECAUTIONARY STATEMENTS

Disposal:

P273: Avoid release to the environment.
 P391: Collect spillage.
 P501: Dispose of contents/container to qualified waste disposal facility.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Viscous yellow liquid

IMMEDIATE CONCERNS: No data available.

HEALTH HAZARDS: No data available.

PHYSICAL HAZARDS: No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Epoxidized Soybean Oil	100	8013-07-8

4. FIRST AID MEASURES

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

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

INGESTION: Rinse mouth with water, consult a physician. Never give anything by mouth to an unconscious person.

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

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: May cause slight eye irritation.

SKIN: Repeated or prolonged skin contact may cause skin irritation.

SKIN ABSORPTION: None Expected.

INGESTION: May cause nausea.

SAFETY DATA SHEET

Date Prepared : 02/13/2015
 SDS No : 900255 / 900256
 Date Revised : 07/01/2020
 Revision No : 4

Nordson Type K Fluid

INHALATION: May cause dizziness.

ADDITIONAL INFORMATION: Show this Safety Data Sheet to the medical professional in attendance..

5. FIRE FIGHTING MEASURES

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

HAZARDOUS COMBUSTION PRODUCTS: None known.

EXPLOSION HAZARDS: None known.

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: None

SENSITIVITY TO IMPACT: None

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: Wear suitable gloves and safety or splash goggles. Remove contaminated clothing and wash before reuse, wash any affected skin areas with soap and water.

SPECIAL PROTECTIVE EQUIPMENT: See section 8.2

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: If possible, store in a "warm" room. Product is viscous at less than normal ambient temperatures.

SHELF LIFE: 24 months from date of manufacture.

SPECIAL SENSITIVITY: None known.

ELECTROSTATIC ACCUMULATION HAZARD: None known.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

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.

SAFETY DATA SHEET

Date Prepared : 02/13/2015
SDS No : 900255 / 900256
Date Revised : 07/01/2020
Revision No : 4

Nordson Type K Fluid

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Viscous liquid.

ODOR: Bland.

ODOR THRESHOLD: No data available.

APPEARANCE: Clear to slightly hazy.

COLOR: Light yellow.

pH: NA = Not Applicable

FLASH POINT AND METHOD: 310°C

FLAMMABLE LIMITS: 0 to 0

AUTOIGNITION TEMPERATURE: No data available.

VAPOR PRESSURE: 0.01 mm @ 20°C.

VAPOR DENSITY: 25 (air = 1)

BOILING POINT: 399°C

FREEZING POINT: No data available.

MELTING POINT: No data available.

THERMAL DECOMPOSITION: No data available.

SOLUBILITY IN WATER: Slight.

EVAPORATION RATE: No data available.

SPECIFIC GRAVITY: 0.993

VISCOSITY: No data available.

OXIDIZING PROPERTIES: No data available.

WEIGHT PER VOLUME: 8.18 lb/gal.

10. STABILITY AND REACTIVITY

REACTIVITY: No data available.

HAZARDOUS POLYMERIZATION: Will not occur under normal use conditions.

STABILITY: Stable under normal use conditions,

CONDITIONS TO AVOID: Excess heat.

POSSIBILITY OF HAZARDOUS REACTIONS: None known.

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

INCOMPATIBLE MATERIALS: Strong oxidizing agents, strong acids or bases.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: > 20 g/kg (rabbit)

SAFETY DATA SHEET

Date Prepared : 02/13/2015
 SDS No : 900255 / 900256
 Date Revised : 07/01/2020
 Revision No : 4

Nordson Type K Fluid

ORAL LD₅₀: 22.5 g/kg (rat)

INHALATION LC₅₀: Inhalation of concentrated vapors for 8 hours produced no deaths. (rats)

NOTES: Product has very low oral, dermal, and inhalation toxicity. Epoxidized soybean oil is mildly irritating to the eyes and skin and is non-sensitizing to the skin.

SKIN CORROSION/IRRITATION: Mildly irritating to eyes and skin (rabbit)

SERIOUS EYE DAMAGE/IRRITATION: Mildly irritating to eyes and skin (rabbit)

RESPIRATORY OR SKIN SENSITISATION: Not a sensitizer (guinea pig)

GERM CELL MUTAGENICITY: Mouse lymphocyte - negative.

CARCINOGENICITY

NOTES: None

REPRODUCTIVE TOXICITY: NA = Not Applicable

STOT-REPEATED EXPOSURE: No data available.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: None Expected.

ECOTOXICOLOGICAL INFORMATION: None Expected.

BIOACCUMULATION/ACCUMULATION: No data available.

DISTRIBUTION: No data available.

AQUATIC TOXICITY (ACUTE): Toxicity to fish: :LC50 - *Leuciscus idus* (Golden orfe) - 900 mg/l - 48 h.

Toxicity to aquatic invertebrates :EC50 - *Daphnia magna* (water flea) - > 100 mg/l - 24 h.

Toxicity to algae :EC50 - *Desmodesmus subspicatus* (green algae) - 8mg/l - 72 h.

CHEMICAL FATE INFORMATION: Readily biodegradable. Biodegradability aerobic - Exposure time 28 days. Result 92%

13. DISPOSAL CONSIDERATIONS

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

EMPTY CONTAINER:

offer to licensed container recycler.

GENERAL COMMENTS: Material should be disposed of in accordance to current local and national regulations. It is the responsibility of the user to determine at time of disposal whether a product or solution meets regulatory criteria for hazardous waste, as mixing, use, contamination or soils may render the resultant mixture hazardous.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Non-controlled

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Non-controlled

VESSEL (IMO/IMDG)

SHIPPING NAME: Non-controlled

SAFETY DATA SHEET

Date Prepared : 02/13/2015
 SDS No : 900255 / 900256
 Date Revised : 07/01/2020
 Revision No : 4

Nordson Type K Fluid

MARINE POLLUTANT #1: None

COMMENTS: None known.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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

313 REPORTABLE INGREDIENTS: None

TITLE III NOTES: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Epoxidized Soybean Oil	8013-07-8

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.

16. OTHER INFORMATION

REASON FOR ISSUE: GHS Format

APPROVED BY: Brad Van Vleet

PREPARED BY: JBV **Date Revised:** 07/01/2020

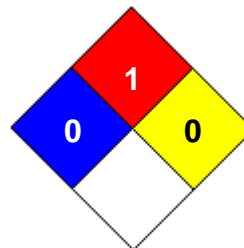
INFORMATION CONTACT: 615-382-8215 / enviroblend@birch.net

REVISION SUMMARY: This SDS replaces the 01/05/2016 SDS. Revised: **Section 12:** ECOTOXICOLOGICAL INFORMATION, ENVIRONMENTAL DATA. **Section 14:** AIR (ICAO/IATA) - PRIMARY HAZARD CLASS/DIVISION COMMENTS, DOT (DEPARTMENT OF TRANSPORTATION) - PROPER SHIPPING NAME ROAD AND RAIL (ADR/RID) (UN NUMBER, PACKING GROUP), VESSEL (IMO/IMDG) (MARINE POLLUTANT #1, PRIMARY HAZARD CLASS/DIVISION, PACKING GROUP, UN/NA NUMBER).

HMIS RATING

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

NFPA CODES



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

SAFETY DATA SHEET

Date Prepared : 02/13/2015

SDS No : 900255 / 900256

Date Revised : 07/01/2020

Revision No : 4

Nordson Type K Fluid

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_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[posure Limit
TRA: Targeted Risk Assessment
TREGS: Technical Rules for Hazardous Substances
TSCA: US Toxic Substances Control Act

SAFETY DATA SHEET

Date Prepared : 02/13/2015
SDS No : 900255 / 900256
Date Revised : 07/01/2020
Revision No : 4

Nordson Type K Fluid

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.