

SAFETY DATA SHEET

Date Prepared : 08/28/2015

SDS No : 140029

Nordson Type T Fluid

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Nordson Type T Fluid
GENERAL USE: Processing aid for industrial applications
PRODUCT CODE: 140029

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

Poison Control Center (Medical) : (877) 800-5553
CHEMTREC (US Transportation) : (800) 424-9300

2. HAZARDS IDENTIFICATION

GHS LABEL

Non Hazardous

POTENTIAL HEALTH EFFECTS

EYES: Contact may cause eye irritation.

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

SKIN ABSORPTION: Not yet Determined

INGESTION: Low toxicity if swallowed.

INHALATION: None Expected.

CANCER STATEMENT: Not classified as a human carcinogen.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
1, 2-Propanediol	99.8	57-55-6
proprietary viscosity adjuster	< 0.001	

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

INHALATION: Move to fresh air, provide oxygen if breathing is difficult. Obtain medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: May cause slight eye irritation.

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

SKIN ABSORPTION: None known.

INGESTION: Not expected in industrial use.

INHALATION: May cause dizziness.

5. FIRE FIGHTING MEASURES

SAFETY DATA SHEET

Date Prepared : 08/28/2015

SDS No : 140029

Nordson Type T Fluid

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

HAZARDOUS COMBUSTION PRODUCTS: Hazardous decomposition products include carbon dioxide and carbon monoxide.

EXPLOSION HAZARDS: None Expected.

FIRE FIGHTING PROCEDURES: Use water spray to cool fire-exposed containers.

FIRE FIGHTING EQUIPMENT: Wear approved self-contained breathing apparatus.

FIRE EXPLOSION: None Expected.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon when burned.

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: No special protective measures are required.

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.

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 protective clothing, including long sleeves and impervious gloves, to prevent skin contact.

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: Bland.

SAFETY DATA SHEET

Date Prepared : 08/28/2015

SDS No : 140029

Nordson Type T Fluid

APPEARANCE: clear to hazy light blue.
COLOR: light blue
FLASH POINT AND METHOD: 103°C (217°F) Closed Cup
FLAMMABLE LIMITS: 2.6% (v) to 12.5% (v)
VAPOR PRESSURE: 0.08 mm/Hg at 20°C (68°F)
VAPOR DENSITY: 2.63 air = 1.0
BOILING POINT: 187°C (369°F)
FREEZING POINT: -60°C (-76°F)
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: 1.04 g/cm³
WEIGHT PER VOLUME: 8.7 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: Not yet Determined
POSSIBILITY OF HAZARDOUS REACTIONS: None known.
HAZARDOUS DECOMPOSITION PRODUCTS: None under normal use conditions, oxides of carbon when burned.
INCOMPATIBLE MATERIALS: Oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀
1, 2-Propanediol	20000 mg/kg - rat	208000 mg/kg - rabbit

DERMAL LD₅₀: 20.8 g/kg (rabbit)

ORAL LD₅₀: > 21.0 g/kg (rat)

EYE EFFECTS: mild irritant

SKIN EFFECTS: mild irritant

CARCINOGENICITY

Notes: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC, ACGIA, NTP or OSHA.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (ACUTE)

96-HOUR LC₅₀: > 10000 mg/L rainbow trout

48-HOUR EC₅₀: > 10000 mg/L (daphnia magna)

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Recover or recycle is possible. It is the responsibility of the waste generator to determine the toxicity and

SAFETY DATA SHEET

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SDS No : 140029

Nordson Type T Fluid

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: Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable governmental regulations.

RCRA/EPA WASTE INFORMATION: The product in the as received condition is not a hazardous waste by RCRA criteria (40 CFR 261)

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: 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)

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

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

CERCLA REGULATORY: This material does not containe any CERCLA regulated chemicals.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: This material does not contain any TSCA 12(b) regulated chemicals.

TSCA STATUS: All Components listed

REGULATIONS

STATE REGULATIONS: 1,2 - Propanedia (CAS# 57-55-6) listed in section 3 is listed in the Pennsylvania and New Jersey Right to Know.

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.

CARCINOGEN: Not a carcinogen.

16. OTHER INFORMATION

REASON FOR ISSUE: GHS Format

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SAFETY DATA SHEET

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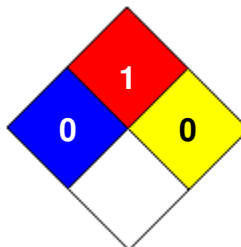
SDS No : 140029

Nordson Type T Fluid

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 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

SAFETY DATA SHEET

Date Prepared : 08/28/2015

SDS No : 140029

Nordson Type T Fluid

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

NOEC?NOEL: No observed Effect Concentration / No observed Effect Level

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

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.

GENERAL STATEMENTS:

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