

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 08/28/2015
 SDS No : 140029
 Date Revised : 08/28/2015
 Revision No : 1

Nordson Type T Fluid

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

1.1. Product identifier

Product code : 140029
 Product name : Nordson Type T Fluid

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

Relevant identified uses : Processing aid for industrial applications

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

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.2. Label elements

Non Hazardous

2.3. Other hazards

SECTION 3: Composition / information on ingredients

3.1. Substances

Not Applicable

3.2. Mixtures

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

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

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

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.

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

Hazardous combustion products : Hazardous decomposition products include carbon dioxide and carbon monoxide.

Explosion hazards : None Expected.

Fire explosion : None Expected.

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

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.

6.4. Reference to other sections

SECTION 7: Handling and storage

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7.1. Precautions for safe handling

- 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.

7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)

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 protective clothing, including long sleeves and impervious gloves, to prevent skin contact.
- 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 to hazy light blue.
- Colour** : light blue
- Odour** : Bland.
- Freezing temperature** : -60°C (-76°F)
- Boiling temperature** : 187°C (369°F)
- Flash point** : 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
- Specific gravity** : 1.04 g/cm³
- Solubility in water** : Complete

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Weight per volume : 8.7 lb/gal.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity : No data available.

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 : Will not occur under normal use conditions.

10.4. Conditions to avoid

Conditions to avoid : Not yet Determined

10.5. Incompatible materials

Incompatible materials : Oxidizers.

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

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)

Carcinogenicity : 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.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity (acute)

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

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

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

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12.6. Other adverse effects

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.
- 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.
- 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.

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 : NA = Not Applicable

14.4. Packing group

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

15.2. Chemical safety assessment

SECTION 16: Other information

- Reason for issue** : GHS Format
- Revision summary** : This SDS replaces the 08/28/2015 SDS. Revised: **Section 14:** ROAD AND RAIL (ADR/RID) - PROPER SHIPPING NAME UN number, Primary hazard class/division.
- 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.
- General statements** :

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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

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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.

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