

Nordson Type T Fluid - EU

SAFETY DATA SHEET

SECTION 1: Identification

1.1 Product identifier

Product name	Nordson Type T Fluid - EU
Product number	140029
Brand	Nordson

1.4 Supplier's details

Name	enviro-blend, Inc.
Address	P.O. Box 329 Springfield, tn 37172 USA
Telephone	615-382-8215
email	enviroblend@birch.net

1.5 Emergency phone number(s)

1-800-255-3924 ChemTel (US, Canada Transportation)
Contract# MIS 1186925

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: Regulation (EC) No 1272/2008 (CLP)

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Propylene glycol

Concentration	99.8 % (weight)
EC no.	200-338-0

Nordson Type T Fluid - EU

SAFETY DATA SHEET

CAS no. 57-55-6

2. Proprietary viscosity adjuster

Concentration 0.001 % (weight)

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled	May cause dizziness, possible respiratory tract irritation.
In case of skin contact	Wash off with soap and plenty of water. Get medical attention if symptoms occur.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

Hazardous decomposition products include carbon dioxide and carbon monoxide.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency 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.

6.2 Environmental precautions

Keep spills and cleaning run-off out of municipal sewers and open bodies of water. See Section 12 for additional ecological information.

6.3 Methods and materials for containment and cleaning up

SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

Reference to other sections

Nordson Type T Fluid - EU

SAFETY DATA SHEET

For special protective equipment see section 8.2. For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Follow all MSDS/label precautions even after the container is emptied as it may retain product residues.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Propylene glycol (CAS: 57-55-6 EC: 200-338-0)

TWA (Inhalation): 10 mg/m³; USA (OSHA)

USA. Workplace Environmental Exposure Levels (WEEL)

8.2 Appropriate engineering controls

Industrial Setting: Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Industrial setting: For splash protection, use chemical goggles. Eye wash fountain is recommended.

Skin protection

Industrial Setting: Protective gloves (for hands) and protective clothing are required where repeated or prolonged skin contact may occur.

Body protection

Industrial Setting: Protective gloves (for hands) and protective clothing are required where repeated or prolonged skin contact may occur.

Respiratory protection

No special precautions for casual exposure. Ventilation Local Exhaust: None required with normal consumer use. Special: None. Industrial (General): Normal/general dilution ventilation is acceptable. Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits.

Thermal hazards

No data available

Environmental exposure controls

Do not let product enter drains, or open bodies of water.

Nordson Type T Fluid - EU

SAFETY DATA SHEET

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	clear to hazy light blue liquid
Odor	bland
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	187 C (369 F)
Flash point	103 C (217 F)
Evaporation rate	No data available.
Flammability (solid, gas)	
Upper/lower flammability 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
Relative density	1.04 g/cm ³
Solubility(ies)	Complete
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	
Explosive properties	No data available.
Oxidizing properties	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under normal use and storage conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

None under normal use conditions.

10.5 Incompatible materials

Strong oxidizing agents, strong acids or bases.

Propylene glycol: Acid chlorides, Acid anhydrides, Oxidizing agents, Chloroformates, Reducing agents

10.6 Hazardous decomposition products

None under normal use conditions, oxides or carbon when burned.

Propylene glycol: Other decomposition products - No data available

Nordson Type T Fluid - EU

SAFETY DATA SHEET

In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Propylene glycol

LD50 Oral - Rat - 20,000 mg/kg

Propylene glycol

LD50 Skin - Rabbit - 20,800 mg/kg

Propylene glycol

LD50 Intramuscular - Rat - 14 g/kg

Propylene glycol

LD50 Intravenous - Dog - 26 g/kg

Propylene glycol

LD50 Intraperitoneal - Rat - 6,660 mg/kg

Propylene glycol

LD50 Subcutaneous - Rat - 22,500 mg/kg

Propylene glycol

LD50 Intravenous - Rat - 6,423 mg/kg

Propylene glycol

LD50 Intraperitoneal - Mouse - 9,718 mg/kg

Remarks: Lungs, Thorax, or Respiration:Chronic pulmonary edema. Kidney, Ureter, Bladder:Changes in both tubules and glomeruli. Blood:Changes in spleen.

Propylene glycol

LD50 Subcutaneous - Mouse - 17,370 mg/kg

Remarks: Behavioral:Change in motor activity (specific assay). Behavioral:Muscle contraction or spasticity. Cyanosis

Propylene glycol

LD50 Intravenous - Mouse - 6,630 mg/kg

Propylene glycol

LD50 Intravenous - Rabbit - 6,500 mg/kg

Skin corrosion/irritation

Not an irritant or corrosive to skin.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitization

Nordson Type T Fluid - EU

SAFETY DATA SHEET

No data available.

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, ACHIH, OSHA, NTP.

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

SECTION 12: Ecological information

Toxicity

Propylene glycol

NOEC - Pimephales promelas (fathead minnow) - 52,930 mg/l - 96 h

Propylene glycol

NOEC - Daphnia magna (water flea) - 13,020 mg/l - 48 h

Propylene glycol

EC50 - Daphnia magna (water flea) - >10,000 mg/l - 48 h

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

SECTION 13: Disposal considerations

Disposal of the product

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

Disposal of contaminated packaging

Packing that cannot be properly cleaned should be sent to an licensed recycle/disposal facility.

Nordson Type T Fluid - EU

SAFETY DATA SHEET

Waste treatment

The in the as received condition is not a hazardous waste by RCRA criteria (40 CFR 261)

Sewage disposal

Dispose of spent solutions in accordance with current local/regional/state/national/or international regulations

Other disposal recommendations

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

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

New Jersey Right To Know Components

Propylene glycol
CAS number: 57-55-6

Pennsylvania Right To Know Components

Propylene glycol
CAS number: 57-55-6

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

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.

SARA 311/312 Hazards

No SARA Hazards

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Nordson Type T Fluid - EU

SAFETY DATA SHEET

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

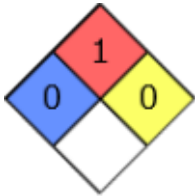
Toxic Substances Control Act (TSCA) Inventory

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

HMIS Rating

Nordson Type T Fluid - EU	
HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

NFPA Rating



SECTION 16: Other information