

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 06/03/2015
SDS No : 248831

Nordson Type S Fluid

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

1.1. Product identifier

Product code : 248831
Product name : Nordson Type S Fluid

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

CHEMTREC - United States: (800) 424-9300

Outside of the United States +1 703 527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Environmental : Aquatic Toxicity, Category 3
Physical : Eye Irritation, Category 2A

2.2. Label elements

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictogram(s) : 

Exclamation
mark

Signal Word : WARNING

Precautionary statement(s)

General : P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Disposal : P501: Dispose of contents/container in accordance with local/regional/international regulations.

2.3. Other hazards

Immediate concerns : Causes eye and primary skin irritation. Vapors may irritate eyes, nose, and throat. Product is combustible.

SECTION 3: Composition / information on ingredients

3.1. Substances

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 06/03/2015

SDS No : 248831

Nordson Type S Fluid

Not Applicable

3.2. Mixtures

Chemical Name	CAS	EINECS No.	Wt.%	Classification according to Regulation (EC) No 1272/2008 [CLP]
Dimethyl adipate	627-93-0	Not Applicable	10 - 30	Aquatic Tox., Cat. 3; H402
Dimethyl Gluterate	1119-40-0	Not Applicable	40 - 70	7738DGDM
Dimethyl Succinate	106-65-0	203-419-9	10 - 30	H227

For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

- 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** : DO NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Rinse mouth with water. Seek medical attention. Never give anything by mouth to an unconscious individual.
- 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** : Can cause moderate to severe irritation.
- Skin** : Contact causes skin irritation.
- 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 known.

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 06/03/2015

SDS No : 248831

Nordson Type S Fluid

Fire explosion : None Expected.
Sensitive to static discharge : No data available.
Sensitivity to impact : NA = Not Applicable

5.3. Advice for firefighters

Fire fighting equipment : Wear self-contained breathing apparatus with full face piece, operated in pressure demand or other positive pressure mode, and full protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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
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.
Land spill : Not yet Determined

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

Reference to other sections : For disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

General procedures : Provide proper exhaust ventilation system in areas where fumes may form. Take normal fire prevention measures.
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

Electrostatic accumulation hazard : No data available.
Shelf life : 24 months from date of manufacture.
Special sensitivity : Not yet Determined

7.3. Specific end use(s)

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Control parameters : Contains no substances with occupational exposure limit values.

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 06/03/2015

SDS No : 248831

Nordson Type S Fluid

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.

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.
Odour threshold	: No data available.
pH	: Not Established
Freezing temperature	: No data available.
Boiling temperature	: 196°C (385°F) to 225°C (437°F)
Flash point	: 100°C (212°F) Closed Cup
Evaporation rate	: No data available.
Flammable limits	: 8.0 % (V) to 0.9% (V)
Vapor pressure	: 0.2 mmHg at 20°C (68°F)
Specific gravity	: 1.092 (water = 1)
Solubility in water	: Insoluble
Auto-ignition temperature	: 370°C (698°F)
Thermal decomposition	: No data available.
Weight per volume	: 9.14 lb/gal.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	: No data available.
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10.2. Chemical stability

Chemical stability	: Stable under normal use conditions,
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10.3. Possibility of hazardous reactions

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 06/03/2015

SDS No : 248831

Nordson Type S Fluid

Possibility of hazardous reactions : No data available.

10.4. Conditions to avoid

Conditions to avoid : No data available.

10.5. Incompatible materials

Incompatible materials : Strong oxidizing agents, strong acids or bases.

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	Inhalation LC ₅₀
Dimethyl adipate	> 5000 mg/kg - rat	1 000 mg/kg - rabbit	
Dimethyl Succinate	> 5000 mg/kg - rat	> 5000 mg/kg - rabbit	> 2000 mg/l Rat (RD 50)

Eyes : No data available for blended product.

Dermal LD₅₀ : No data available for blended product.

Skin absorption : No data available for blended product.

Oral LD₅₀ : No data available for blended product.

Inhalation LC₅₀ : No data available for blended product.

Irritation : No data available.

Corrosivity : No data available.

Sensitisation : No data available.

Repeated dose effects : 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, ACGIA, NTP or OSHA.

Mutagenicity : No data available.

Reproductive effect : No data available.

Target organs : No data available.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity : No data available.

Aquatic toxicity (acute)

48-hour EC₅₀ : 72 mg/l Daphnia magna..*

Notes : * Dimethyl Adipate Cas# 627-93-0 (10-30%) of product.

12.2. Persistence and degradability

Persistence and degradability : No data available.

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 06/03/2015

SDS No : 248831

Nordson Type S Fluid

12.3. Bioaccumulative potential

Bioaccumulative potential : No data available.

12.4. Mobility in soil

Mobility in soil : No data available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : PBT/vPvB assessment not available as chemical safety assessment not required / not conducted.

12.6. Other adverse effects

Environmental data : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

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

14.3. Transport hazard class(es)

Primary hazard class/division : Not regulated for transport

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

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

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

Relevant H-statements (number and full text) : 7738DGDM, : Not a hazardous substance or mixture.,
Aquatic Tox., Cat. 3: Aquatic Toxicity, Category 3
H227: Combustible liquid.
H402: Harmful to aquatic life.

Reason for issue : GHS Format

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

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 06/03/2015

SDS No : 248831

Nordson Type S Fluid

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

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

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 06/03/2015

SDS No : 248831

Nordson Type S Fluid

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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