

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 07/01/2020
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

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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.

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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.

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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

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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.

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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

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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

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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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