

SAFETY DATA SHEET

according to Regulation (EC) No. 878/2020

Nordson Type S Fluid

SDS No : 248831

Date Issued : 06/03/2015

Date Revised : 12/01/2022

Revision No : 6

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 : customer-service@enviro-blend.com

1.4. Emergency telephone number

ChemTel (US, Canada Transportation) - 1-800-255-3924 (Contract # MIS1 186925)

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

Hazard statement(s) : H319: Causes serious eye irritation.

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 to ...

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

Not Applicable

3.2. Mixtures

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Chemical Name	CAS	EINECS No.	% w/w	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.
- 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.

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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.

8.2. Exposure controls

- Engineering controls** : Local exhaust is recommended when handling generated mists and vapors.

Individual protection measures, such as personal protective equipment

- 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

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Physical state	: Liquid
Appearance	: Clear
Colour	: Colorless
Odour	: Mild, not unpleasant.
Odour threshold	: No data available.
pH	: Not Established
Freezing point	: No data available.
Boiling point	: 196°C to 225°C
Flash point	: 100°C Closed Cup
Evaporation rate	: No data available.
Lower explosion limit	: 8.0 % (V)
Upper explosion limit	: 0.9% (V)
Vapor pressure	: 0.2 mmHg at 20°C
Specific gravity	: 1.092 (water = 1)
Solubility in water	: Insoluble
Auto-ignition temperature	: 370°C
Decomposition temperature	: No data available.
Weight per volume	: 9.14 lb/gal.

9.2. Other information

Percent volatile	: 100
(VOC)	: 100

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

Possibility of hazardous reactions	: No data available.
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10.4. Conditions to avoid

Conditions to avoid	: No data available.
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10.5. Incompatible materials

Incompatible materials	: Strong oxidizing agents, strong acids or bases.
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10.6. Hazardous decomposition products

Hazardous decomposition products	: None under normal use conditions, oxides of carbon when burned.
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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute

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Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Dimethyl adipate	> 5000 mg/kg - rat	1000 mg/kg - rabbit	
Dimethyl Succinate	> 5000 mg/kg - rat	> 5000 mg/kg - rabbit	> 2000 mg/l Rat (RD 50)

Dermal LD₅₀	: No data available for blended product.
Oral LD₅₀	: No data available for blended product.
Inhalation LC₅₀	: No data available for blended product.
Skin corrosion/irritation	: No data available.
Serious eye damage/irritation	: No data available.
Respiratory or skin sensitisation	: No data available.
Germ cell mutagenicity	: 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.
Reproductive toxicity	: No data available.
STOT-single exposure	: No data available.
STOT-repeated exposure	: No data available.

11.2. Information on other hazards

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.

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. Endocrine disrupting properties

SECTION 12: Ecological information

Environmental data : Anenvironmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life. CAS# 61791-10-4

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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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

14.3. Transport hazard class(es)

Primary hazard class/division : Not regulated for transport

14.6. Special precautions for user

IMDG - sea : Not regulated for transport.

IATA - air : Not regulated for transport.

14.7. Maritime transport in bulk according to IMO instruments

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

Revision summary : This SDS replaces the 10/14/2022 SDS.

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

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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
 NIOSH: National Institute of Occupational Safety and Health
 NJTSRN: New Jersey Trade Secret Registry Number
 NOEC/NOEL: No observed Effect Concentration / No observed Effect Level
 NOHSC: National Occupational Health and Safety Commission
 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: Thort Term Ex[posure Limit
 TRA: Targeted Risk Assessment
 TREGS: Technical Rules for Hazardous Substances
 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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