

SAFETY DATA SHEET

Date Prepared : 06/03/2015

SDS No : 248831

Nordson Type S Fluid

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Nordson Type S Fluid**PRODUCT CODE:** 248831**MANUFACTURER**

enviro-blend, Inc.

P.O. Box 329

Springfield, TN 37172

Customer Service: 615-382-8215**E-Mail:** enviroblend@birch.net**24 HR. EMERGENCY TELEPHONE NUMBERS**

CHEMTREC - United States: (800) 424-9300

Outside of the United States +1 703 527-3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS**Environmental:**

Aquatic Toxicity, Category 3

Physical:

Eye Irritation, Category 2A

GHS LABELExclamation
mark**SIGNAL WORD:** WARNING**HAZARD STATEMENTS**

H402: Harmful to aquatic life.

H319: Causes serious eye irritation.

PRECAUTIONARY STATEMENTS**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.

EMERGENCY OVERVIEW**PHYSICAL APPEARANCE:** Clear Liquid**IMMEDIATE CONCERNS:** Causes eye and primary skin irritation. Vapors may irritate eyes, nose, and throat. Product is combustible.**POTENTIAL HEALTH EFFECTS****EYES:** Contact may cause eye irritation.**SKIN:** Repeated or prolonged skin contact may cause skin irritation.**SKIN ABSORPTION:** Not Available**INGESTION:** Can be harmful if ingested**INHALATION:** Can be harmful if inhaled. Can Cause respiratory tract irritation.**REPRODUCTIVE TOXICITY**

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REPRODUCTIVE EFFECTS: None known.

TERATOGENIC EFFECTS: No data available.

CARCINOGENICITY: Not a carcinogen.

MUTAGENICITY: None known.

CANCER STATEMENT: Not classified as a human carcinogen.

SENSITIZATION: Not a sensitizer.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Dimethyl adipate	10 - 30	627-93-0
Dimethyl Gluterate	40 - 70	1119-40-0
Dimethyl Succinate	10 - 30	106-65-0

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

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.

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

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Can cause moderate to severe irritation.

SKIN: Contact causes skin irritation.

INGESTION: Not expected in industrial use.

INHALATION: May cause dizziness.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not flammable or combustible.

EXTINGUISHING MEDIA: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

HAZARDOUS COMBUSTION PRODUCTS: Hazardous decomposition products include carbon dioxide and carbon monoxide.

EXPLOSION HAZARDS: None known.

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.

FIRE EXPLOSION: None Expected.

SENSITIVE TO STATIC DISCHARGE: No data available.

SENSITIVITY TO IMPACT: NA = Not Applicable

HAZARDOUS DECOMPOSITION PRODUCTS: No data available.

6. ACCIDENTAL RELEASE MEASURES

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

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disposal.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Keep spills and cleaning run-off out of municipal sewers and open bodies of water.

LAND SPILL: Not yet Determined

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.

RELEASE NOTES: Keep out of open bodies of water.

SPECIAL PROTECTIVE EQUIPMENT: See section 8

7. HANDLING AND STORAGE

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.

SHELF LIFE: 24 months from date of manufacture.

SPECIAL SENSITIVITY: Not yet Determined

ELECTROSTATIC ACCUMULATION HAZARD: No data available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust is recommended when handling generated mists and vapors.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE:

Wear safety glasses or splash goggles.

SKIN: Wear protective clothing, including long sleeves and impervious gloves, to prevent skin contact.

RESPIRATORY: 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild, not unpleasant.

ODOR THRESHOLD: No data available.

APPEARANCE: Clear

COLOR: Colorless

pH: Not Established

FLASH POINT AND METHOD: 100°C (212°F) Closed Cup

FLAMMABLE LIMITS: 8.0 % (V) to 0.9% (V)

AUTOIGNITION TEMPERATURE: 370°C (698°F)

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VAPOR PRESSURE: 0.2 mmHg at 20°C (68°F)
BOILING POINT: 196°C (385°F) to 225°C (437°F)
FREEZING POINT: No data available.
THERMAL DECOMPOSITION: No data available.
SOLUBILITY IN WATER: Insoluble
EVAPORATION RATE: No data available.
SPECIFIC GRAVITY: 1.092 (water = 1)
WEIGHT PER VOLUME: 9.14 lb/gal.

10. STABILITY AND REACTIVITY

REACTIVITY: No data available.
STABILITY: Stable under normal use conditions,
CONDITIONS TO AVOID: No data available.
POSSIBILITY OF HAZARDOUS REACTIONS: No data available.
HAZARDOUS DECOMPOSITION PRODUCTS: None under normal use conditions, oxides of carbon when burned.
INCOMPATIBLE MATERIALS: Strong oxidizing agents, strong acids or bases.

11. TOXICOLOGICAL INFORMATION

ACUTE

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)

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.

CARCINOGENICITY

Notes: 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.

REPEATED DOSE EFFECTS: No data available.
IRRITATION: No data available.
CORROSIVITY: No data available.
SENSITIZATION: No data available.
REPRODUCTIVE EFFECTS: No data available.
TARGET ORGANS: No data available.
TERATOGENIC EFFECTS: No data available.

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MUTAGENICITY: No data available.

12. ECOLOGICAL INFORMATION

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

ECOTOXICOLOGICAL INFORMATION: No data available.

BIOACCUMULATION/ACCUMULATION: No data available.

DISTRIBUTION: 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.

CHEMICAL FATE INFORMATION: No data available.

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PRIMARY HAZARD CLASS/DIVISION: Not regulated for transport

MARINE POLLUTANT #1: NA = Not Applicable

AIR (ICAO/IATA)

PRIMARY HAZARD CLASS/DIVISION: Not regulated for transport

SPECIAL PROVISIONS: Not regulated for transport.

VESSEL (IMO/IMDG)

PRIMARY HAZARD CLASS/DIVISION: Not regulated for transport

SPECIAL PROVISIONS: Not regulated for transport.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Chronic Health Hazard

313 REPORTABLE INGREDIENTS: None

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: This material does not containe any CERCLA regulated chemicals.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

TSCA STATUS: All Components listed

REGULATIONS

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STATE REGULATIONS: All components listed in section 3 are listed on Pennsylvania and New Jersey Right to Know.

CALIFORNIA PROPOSITION 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

CARCINOGEN: Not a carcinogen.

CANADA

DOMESTIC SUBSTANCE LIST (INVENTORY): This product is listed on the DSL inventory of Canada.

16. OTHER INFORMATION

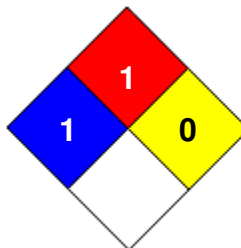
REASON FOR ISSUE: GHS Format

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HMIS RATING

HEALTH		1
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

NFPA CODES



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

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

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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
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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