

SAFETY DATA SHEET

according to Regulation (EC) No. 2020/878

Nordson Type R Fluid

SDS No : 270755 \ 270756 \ 270757

Date Issued : 02/18/2015

Date Revised : 09/19/2024

Revision No : 9

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

1.1. Product identifier

Product code : 270755 \ 270756 \ 270757

Product name : Nordson Type R Fluid

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : Hot melt adhesive clean up.

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]

2.2. Label elements

Non Hazardous

2.3. Other hazards

Additional information : This product is not classified as dangerous according to Annex I of Directive 67/548/EEC and 1272 of the European Union.

SECTION 3: Composition / information on ingredients

3.1. Substances

Chemical Name	EINECS No.	% w/w
Polyester Adipate	Polymer	100

Additional information : Trade Secret - NJTSRN 8009285003

3.2. Mixtures

Not Applicable

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 : Rinse mouth with water, consult a physician. Never give anything by mouth to an unconscious person.

Following inhalation : Move person to fresh air. If not breathing, give artificial respiration and consult a physician.

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4.2. Most important symptoms and effects, both acute and delayed

Eyes	: May cause slight eye irritation.
Skin	: Repeated or prolonged skin contact may cause skin irritation.
Skin absorption	: None Expected.
Ingestion	: No data available.
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	: CO ₂ , Dry Chemical, Water Fog.
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5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	: None known.
Explosion hazards	: Solid streams of water directed at burning liquid may cause frothing.
Fire explosion	: None Expected.
Sensitive to static discharge	: None
Sensitivity to impact	: None

5.3. Advice for firefighters

Fire fighting procedures	: Use water spray to cool fire-exposed containers.
Fire fighting equipment	: Wear approved self-contained breathing apparatus.

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	: None
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	: No data available.
Air spill	: No data available.

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.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

General procedures	: Any use of this product in an elevated temperature process, should be evaluated to
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establish and maintain safe operating procedures.

Handling : Use of proper hygiene practices in the workplace is recommended.

Storage : Keep container tightly closed in a dry and well-ventilated area.

7.2. Conditions for safe storage, including any incompatibilities

Storage temperature : If possible, store in a "warm" room. Product is viscous at less than normal ambient temperatures.

Electrostatic accumulation hazard : NA = Not Applicable

Shelf life : 24 months from date of manufacture.

Special sensitivity : None known.

7.3. Specific end use(s)

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

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.

Other precautions : There should be an eye wash close by.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Viscous liquid.

Appearance : Clear to slightly hazy.

Colour : Light yellow.

Odour : Mild, not unpleasant.

Odour threshold : NA = Not Applicable

pH : NA = Not Applicable

Melting point : NA = Not Applicable

Freezing point : No data available.

Boiling point : No data available.

Flash point : ~ 300°C Cleveland Open Cup

Evaporation rate : NA = Not Applicable

Vapor pressure : NA = Not Applicable

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Vapor density	: 25 (air = 1)
Specific gravity	: 1.09 (water = 1)
Solubility in water	: Insoluble
Partition coefficient: n-octanol/water	: No data available.
Auto-ignition temperature	: NA = Not Applicable
Decomposition temperature	: No data available.
Pour point	: No data available.
Weight per volume	: 9.12 lb/gal.
Explosive properties	: No data available.
Oxidising properties	: No data available.

9.2. Other information

Percent volatile	: 2%
(VOC)	: 2.0% by weight upon heating to 155° C for 24 hours.

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	: None known.
Hazardous polymerization	: Will not occur under normal use conditions.

10.4. Conditions to avoid

Conditions to avoid	: None known.
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10.5. Incompatible materials

Incompatible materials	: Oxidizers.
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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

Dermal LD ₅₀	: > 2.0 g/kg (rabbit)
Notes	: Not a primary irritant.
Oral LD ₅₀	: > 5.0 g/kg (rat)
Notes	: Expected to be a low hazard for usual industrial handling or commercial use by trained personnel.
Skin corrosion/irritation	: Non corrosive.
Serious eye damage/irritation	: Not a primary irritant.
Respiratory or skin sensitisation	: Not a sensitizer.
Germ cell mutagenicity	: No data available.

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Carcinogenicity : Not a carcinogen.

Reproductive toxicity : None Expected.

STOT-repeated exposure : No data available.

11.2. Information on other hazards

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity (acute)

48-hour EC₅₀ : > 1000 mg/L (daphnia magna)

Notes : No mortality nor abnormal effects were noted during testing on fathead minnows up to a concentration of 100 mg/L of the 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 : No data available.

12.6. Endocrine disrupting properties

12.7 Other Adverse Effects

Other adverse effects : This product does not contain any ozone depleting compounds.

Environmental data : Not Established

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal : Offer surplus and non-recyclable solutions to a licensed disposal company.

Empty container :
offer to licensed container recycler.

Waste codes : None known.

General comments : 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

14.1. UN number or ID number

UN number : None

Custom tariff number : None

14.2. UN proper shipping name

UN proper shipping name : None

14.3. Transport hazard class(es)

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Primary hazard class/division : None

14.6. Special precautions for user

ADR - road : None

RID - rail : None

IMDG - sea : None

IATA - air : None

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

RoHS : None

15.2. Chemical safety assessment

Chemical safety assessment : Non Hazardous material.

SECTION 16: Other information

Reason for issue : GHS Format

Approved by : Brad Van Vleet

Prepared by : JBV

Information contact : enviroblend@birch.net 615-382-8215

Revision summary : This SDS replaces the 12/01/2022 SDS.

General statements :

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: Deutsches Institute fur Normung

DMEL: Derived Minimal effect Level

DNEL: Derived No Effect Level

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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
 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[osure 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.

Manufacturer disclaimer

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