

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 07/27/2022

SDS No : 270755 \ 270756 \ 270757

Nordson Type R Fluid

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 : 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 Directive 67/548/EEC

2.2. Label elements

Non Hazardous

2.3. Other hazards

Health hazards : None known.

Physical hazards : None known.

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.	Wt.%
Polyester Adipate	Polymer	100

Comments: 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.

Nordson Type R Fluid

- 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.

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** : CO₂, Dry Chemical, Water Fog.

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.

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** : Any use of this product in an elevated temperature process, should be

Nordson Type R Fluid

evaluated to 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.

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

Melting temperature : NA = Not Applicable

Freezing temperature : No data available.

Boiling temperature : No data available.

Flash point : ~ 300°C Cleveland Open Cup

Evaporation rate : NA = Not Applicable

Vapor pressure : NA = Not Applicable

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

Thermal decomposition : No data available.

Nordson Type R Fluid

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

SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactivity	: No data available.
-------------------	----------------------

10.2. Chemical stability

Chemical stability	: Stable under normal use conditions,
---------------------------	---------------------------------------

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.
----------------------------	---------------

10.5. Incompatible materials

Incompatible materials	: Oxidizers.
-------------------------------	--------------

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**

Eyes	: Not a primary irritant.
Dermal LD₅₀	: > 2.0 g/kg (rabbit)
Notes	: Not a primary irritant.
Skin absorption	: Absorption not likely to occur.
Oral LD₅₀	: > 5.0 g/kg (rat)
Notes	: Expected to be a low hazard for usual industrial handling or commercial use by trained personnel.
Irritation	: Not a primary irritant.
Corrosivity	: Non corrosive.
Sensitisation	: Not a sensitizer.
Repeated dose effects	: No data available.
Carcinogenicity	: Not a carcinogen.
Mutagenicity	: No data available.
Reproductive effect	: None Expected.

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

Nordson Type R Fluid

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. Other adverse effects

General comments : This product does not contain any ozone depleting compounds.

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**

UN number : None

Custom tariff number : None

14.2. UN proper shipping name

UN proper shipping name : None

14.3. Transport hazard class(es)

Primary hazard class/division : None

14.4. Packing group**14.5. Environmental hazards****14.6. Special precautions for user**

ADR - road : None

RID - rail : None

IMDG - sea : None

IATA - air : None

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**

RoHS : None

15.2. Chemical safety assessment

Chemical safety assessment : Non Hazardous material.

SECTION 16: Other information

Nordson Type R Fluid

Reason for issue : Revised: **Section 3:** Comments

Approved by : Brad Van Vleet

Prepared by : JBV

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

Manufacturer disclaimer

- As the conditions or methods of use are beyond our control, Enviro-blend, Inc. does not assume any responsibility and expressly disclaims any liability for any use of this material. Information contained herein has been obtained from the manufacturer and / or recognized technical sources. The information is believed to be true and accurate, but all statements or suggestions are made without warranty, express or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user.