

SAFETY DATA SHEET

Date Issued : 02/18/2015

SDS No : 270755 \ 270756 \ 270757

Date Revised : 02/28/2018

Revision No : 3

Nordson Type R Fluid

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Nordson Type R Fluid
GENERAL USE: Hot melt adhesive clean up.
PRODUCT CODE: 270755 \ 270756 \ 270757

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

ChemTel (US, Canada Transportation) - 1-800-255-3924 (Contract # MIS1186925)

2. HAZARDS IDENTIFICATION

GHS LABEL

Non Hazardous

POTENTIAL HEALTH EFFECTS

EYES: Contact may cause eye irritation.

SKIN: Repeated or prolonged skin contact may cause skin irritation.

SKIN ABSORPTION: None known.

INGESTION: None known.

INHALATION: May cause dizziness.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: None known.

TERATOGENIC EFFECTS: No data available.

CARCINOGENICITY: Not a carcinogen.

MUTAGENICITY: No data available.

CANCER STATEMENT: Not a carcinogen.

IRRITANCY: Not a primary irritant.

SENSITIZATION: Not a sensitizer.

WARNING CAUTION LABELS: None

COMMENTS HEALTH: No data available.

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT(S)	Wt.%
Polyester Adipate	100

4. FIRST AID MEASURES

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

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

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

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

SIGNS AND SYMPTOMS OF OVEREXPOSURE

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.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not classified as flammable but will burn.

EXTINGUISHING MEDIA: CO₂, Dry Chemical, Water Fog.

HAZARDOUS COMBUSTION PRODUCTS: None known.

EXPLOSION HAZARDS: Solid streams of water directed at burning liquid may cause frothing.

FIRE FIGHTING PROCEDURES: Use water spray to cool fire-exposed containers.

FIRE FIGHTING EQUIPMENT: Wear approved self-contained breathing apparatus.

FIRE EXPLOSION: None Expected.

SENSITIVE TO STATIC DISCHARGE: None

SENSITIVITY TO IMPACT: None

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon when burned.

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 disposal.

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.

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: None

7. HANDLING AND STORAGE

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

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

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

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

SHELF LIFE: 24 months from date of manufacture.

SPECIAL SENSITIVITY: None known.

ELECTROSTATIC ACCUMULATION HAZARD: NA = Not Applicable

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.

OTHER USE PRECAUTIONS: There should be an eye wash close by.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Viscous liquid.

ODOR: Mild, not unpleasant.

ODOR THRESHOLD: NA = Not Applicable

APPEARANCE: Clear to slightly hazy.

COLOR: Light yellow.

PHYSICAL STATE COMMENTS: extremely viscous liquid at room temperatures.

pH: NA = Not Applicable

PERCENT VOLATILE: 2%

FLASH POINT AND METHOD: ~ 300°C Cleveland Open Cup

AUTOIGNITION TEMPERATURE: NA = Not Applicable

VAPOR PRESSURE: NA = Not Applicable

VAPOR DENSITY: 25 (air = 1)

BOILING POINT: No data available.

FREEZING POINT: No data available.

MELTING POINT: NA = Not Applicable

POUR POINT: No data available.

THERMAL DECOMPOSITION: No data available.

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SOLUBILITY IN WATER: Insoluble

PARTITION COEFFICIENT: N-OCTANOL/WATER: No data available.

EVAPORATION RATE: NA = Not Applicable

SPECIFIC GRAVITY: 1.09 (water = 1)

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

OXIDIZING PROPERTIES: No data available.

WEIGHT PER VOLUME: 9.12 lb/gal.

10. STABILITY AND REACTIVITY

REACTIVITY: No data available.

HAZARDOUS POLYMERIZATION: Will not occur under normal use conditions.

STABILITY: Stable under normal use conditions,

CONDITIONS TO AVOID: None known.

POSSIBILITY OF HAZARDOUS REACTIONS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal use conditions, oxides of carbon when burned.

INCOMPATIBLE MATERIALS: Oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: > 2.0 g/kg (rabbit)

Notes: Not a primary irritant.

ORAL LD₅₀: > 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.

CARCINOGENICITY

NOTES: Not a carcinogen.

REPRODUCTIVE TOXICITY: None Expected.

STOT-REPEATED EXPOSURE: No data available.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Established

BIOACCUMULATION/ACCUMULATION: No data available.

DISTRIBUTION: No data available.

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.

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CHEMICAL FATE INFORMATION: No data available.

GENERAL COMMENTS: This product does not contain any ozone depleting compounds.

13. DISPOSAL CONSIDERATIONS

FOR LARGE SPILLS: Stop Leak. Dike to contain spill, cover with inert absorbant material, sweep up and place in suitable container for proper disposal.

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

EMPTY CONTAINER:

offer to licensed container recycler.

RCRA/EPA WASTE INFORMATION: The product in the as received condition is not a hazardous waste by RCRA criteria (40 CFR 261)

RCRA HAZARD CLASS: None

EUROPEAN WASTE CATALOGUE: 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.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated.

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: No SARA 311 / 312 Hazards.

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** No

313 REPORTABLE INGREDIENTS: None

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: NA = Not Applicable

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

CERCLA REGULATORY: NA = Not Applicable

CERCLA RQ: None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: In Compliance.

CLEAN AIR ACT

40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: NA = Not Applicable

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

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29 CFR 1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: NA = Not Applicable

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 or exempt from listing on the DSL inventory of Canada.

16. OTHER INFORMATION

REASON FOR ISSUE: GHS Format

APPROVED BY: Brad Van Vleet

PREPARED BY: JBV

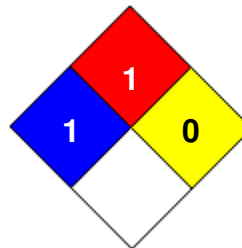
INFORMATION CONTACT: enviroblend@birch.net 615-382-8215

REVISION SUMMARY: This SDS replaces the 01/05/2016 SDS. Revised: Section 5: **FLAMMABLE CLASS.** Section 6: **AIR SPILL, LAND SPILL.** Section 9: **pH.** Section 12: **ENVIRONMENTAL DATA.** Section 13: **RCRA/EPA WASTE INFORMATION, RCRA HAZARD CLASS.**

HMIS RATING

HEALTH		1
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

NFPA CODES



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

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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

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: Short Term Exposure 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.

GENERAL STATEMENTS:

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