

SAFETY DATA SHEET

Date Prepared : 10/01/2015

SDS No : 244854

Date Revised : 01/05/2016

Revision No : 3

Nordson Type Q Fluid

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Nordson Type Q Fluid
GENERAL USE: Processing aid for industrial applications

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Distillates, Petroleum, Hydrotreated Light	20 - 45	64742-47-8
Isotridecanoethoxylate	< 3	69011-36-5

4. FIRST AID MEASURES

EYES: Immediately flush with plenty of water for at least 15 minutes; ensure water flushing of entire surface of eye and lid. Obtain 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: None known.

SKIN ABSORPTION: None Expected.

INGESTION: Not expected in industrial use.

INHALATION: None Expected.

ACUTE EFFECTS: None Expected.

CHRONIC EFFECTS: None Expected.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, Dry chemical or Alcohol type foam.

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

SAFETY DATA SHEET

Date Prepared : 10/01/2015

SDS No : 244854

Date Revised : 01/05/2016

Revision No : 3

Nordson Type Q Fluid

EXPLOSION HAZARDS: None Expected.

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

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: None

SENSITIVITY TO IMPACT: None

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Do not flush with water. Soak up with inert absorbent material, sweep up and shovel into suitable containers 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.

AIR SPILL: None Expected.

GENERAL PROCEDURES: Spilled product is extremely slippery. Do not walk through spilled material.

RELEASE NOTES: Keep out of open bodies of water.

SPECIAL PROTECTIVE EQUIPMENT: See section 8

7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin and eyes. Renders surfaces extremely slippery when spilled. When using, do not eat, drink or smoke.

STORAGE: Store away from heat and sources of ignition. Freezing will affect the physical condition and may damage the material.

SHELF LIFE: 24 months from date of manufacture.

SPECIAL SENSITIVITY: Incompatible with oxidizing agents.

ELECTROSTATIC ACCUMULATION HAZARD: None Expected.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)			
Chemical Name	EXPOSURE LIMITS		
	Type	ppm	mg/m ³
Distillates, Petroleum, Hydrotreated Light	ACGIH TLV	STEL	200 (8 hour)

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

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE:

SAFETY DATA SHEET

Date Prepared : 10/01/2015

SDS No : 244854

Date Revised : 01/05/2016

Revision No : 3

Nordson Type Q Fluid

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: Extremely slippery when spilled.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Aliphatic

APPEARANCE: milky semi viscous liquid.

COLOR: Milky

FLASH POINT AND METHOD: Does not flash.

VAPOR PRESSURE: 2.3 kPa at 20°C

VAPOR DENSITY: 0.804 G/L @ 20 C

BOILING POINT: > 100°C (212°F)

FREEZING POINT: ~ 5°C

SOLUBILITY IN WATER: Completely miscible.

EVAPORATION RATE: No data available.

SPECIFIC GRAVITY: 1 to 1.1

VISCOSITY #1: > 20.5 mm²/s at 40°C

OXIDIZING PROPERTIES: None Expected.

WEIGHT PER VOLUME: g/L

10. STABILITY AND REACTIVITY

REACTIVITY: None Expected.

STABILITY: Stable under normal use conditions,

CONDITIONS TO AVOID: Excessive heat, sparks and open flames.

POSSIBILITY OF HAZARDOUS REACTIONS: If stored and handled properly: none known.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon. Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

INCOMPATIBLE MATERIALS: Oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

SAFETY DATA SHEET

Date Prepared : 10/01/2015

SDS No : 244854

Date Revised : 01/05/2016

Revision No : 3

Nordson Type Q Fluid

Chemical Name	ORAL LD ₅₀
Isotridecanoethoxylate	> 5000 mg/kg - rat

DERMAL LD₅₀: > 5000 mg/kg (rat)

ORAL LD₅₀: > 5000 mg/kg (rat)

INHALATION LC₅₀: Not considered to be an inhalation hazard under normal conditions of use.

NOTES:

SKIN CORROSION/IRRITATION: Non corrosive.

SERIOUS EYE DAMAGE/IRRITATION: Not a primary irritant.

RESPIRATORY OR SKIN SENSITISATION: Not a sensitizer.

GERM CELL MUTAGENICITY: Negative.

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.

REPRODUCTIVE TOXICITY: Not toxic for reproduction.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No expected damaging effects to aquatic organisms. Current knowledge indicates no adverse effects on water purification plants.

BIOACCUMULATION/ACCUMULATION: Not yet Determined

DISTRIBUTION: Polymer component: Insoluble in water. Forms thin oil film on surface of water. Absorbed by floating particles. Separation by sedimentation.

AQUATIC TOXICITY (ACUTE)

96-HOUR LC₅₀: > 100 mg/L rainbow trout

48-HOUR EC₅₀: > 100 mg/L (daphnia magna)

Notes: Poorly soluble mixture. May cause physical fouling of aquatic organisms. Expected to be practically non toxic: LL/EL/IL/50>100 mg/L (to aquatic organisms) LL/EL/50 expressed as the nominal amount of product required to prepare aqueous test extract. Mineral oil is not expected to cause any chronic effects to aquatic organisms at concentrations less than 1mg/L

CHEMICAL FATE INFORMATION: Not readily biodegradable.

GENERAL COMMENTS: Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Recover or recycle is possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses.

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: Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in

SAFETY DATA SHEET

Date Prepared : 10/01/2015

SDS No : 244854

Date Revised : 01/05/2016

Revision No : 3

Nordson Type Q Fluid

accordance with any applicable governmental regulations.

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)

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated.

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not regulated.

AIR (ICAO/IATA)

SHIPPING NAME: Not regulated.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not regulated.

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not regulated.

COMMENTS: Not a regulated product.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: This material does not contain any SARA 313 chemicals above the de minimus levels.

TITLE III NOTES: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

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

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

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Distillates, Petroleum, Hydrotreated Light	64742-47-8

TSCA STATUS: All Components listed

CALIFORNIA PROPOSITION 65: WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm, Acrylamide.

RCRA STATUS: None

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Non-controlled

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

SAFETY DATA SHEET

Date Prepared : 10/01/2015

SDS No : 244854

Date Revised : 01/05/2016

Revision No : 3

Nordson Type Q Fluid

16. OTHER INFORMATION

REASON FOR ISSUE: GHS Format

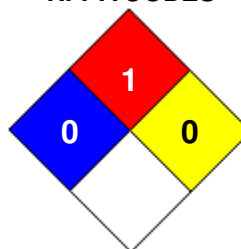
Date Revised: 01/05/2016

REVISION SUMMARY: This SDS replaces the 10/01/2015 SDS. Revised: **Section 1: 24 HR. EMERGENCY TELEPHONE NUMBERS.**

HMIS RATING

HEALTH	0
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

EWG: European Waste Code

GHS: Globally Harmonised system of Classification and Labelling of Chemicals

DMSO: Dimethyl Sulfoxide

EU: European Union

SAFETY DATA SHEET

Date Prepared : 10/01/2015

SDS No : 244854

Date Revised : 01/05/2016

Revision No : 3

Nordson Type Q Fluid

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.

MANUFACTURER DISCLAIMER:

As the conditions or methods of use are beyond our control, Enviroblend, 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.