

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 10/01/2015  
 SDS No : 244854  
 Date Revised : 01/05/2016  
 Revision No : 3

## Nordson Type Q Fluid

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

#### 1.1. Product identifier

**Product name** : Nordson Type Q Fluid

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

**Relevant identified uses** : Processing aid for industrial applications

#### 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

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

### SECTION 3: Composition / information on ingredients

#### 3.1. Substances

Not Applicable

#### 3.2. Mixtures

Chemical Name	CAS	EINECS No.	Wt.%	Classification according to Regulation (EC) No 1272/2008 [CLP]
Distillates, Petroleum, Hydrotreated Light	64742-47-8	265-149-8	20 - 45	Asp. Haz., Cat. 1; H304
Isotridecanoethoxylate	69011-36-5	Not Applicable	< 3	Aquatic Chronic, Cat. 3; Eye Irr., Cat. 1; Aquatic Acute, Cat. 2; H318; H412; H401

For full text of H-statements: see SECTION 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**Following 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.

# SAFETY DATA SHEET

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 Revision No : 3

## Nordson Type Q Fluid

<b>Following skin</b>	: Wash with soap and water. Get medical attention if irritation develops or persists.
<b>Following ingestion</b>	: 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.
<b>Following inhalation</b>	: Move to fresh air, provide oxygen if breathing is difficult. Obtain medical attention.

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

<b>Eyes</b>	: Can cause moderate to severe irritation.
<b>Skin</b>	: None known.
<b>Skin absorption</b>	: None Expected.
<b>Ingestion</b>	: Not expected in industrial use.
<b>Inhalation</b>	: None Expected.

### 4.3. Indication of any immediate medical attention and special treatment needed

## SECTION 5: Fire fighting measures

### 5.1. Extinguishing media

**Extinguishing media** : Carbon dioxide, Dry chemical or Alcohol type foam.

### 5.2. Special hazards arising from the substance or mixture

**Hazardous combustion products** : Hazardous decomposition products include carbon dioxide and carbon monoxide.

**Explosion hazards** : None Expected.

**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 self-contained breathing apparatus with full face piece, operated in pressure demand or other positive pressure mode, and full protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**General procedures** : Spilled product is extremely slippery. Do not walk through spilled material.

**Special protective equipment** : See section 8

**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.

**Air spill** : None Expected.

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## Nordson Type Q Fluid

### 6.3. Methods and material for containment and cleaning up

- 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.

### 6.4. Reference to other sections

#### SECTION 7: Handling and storage

##### 7.1. Precautions for safe handling

- 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.

##### 7.2. Conditions for safe storage, including any incompatibilities

- Electrostatic accumulation hazard** : None Expected.
- Shelf life** : 24 months from date of manufacture.
- Special sensitivity** : Incompatible with oxidizing agents.

##### 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** : Extremely slippery when spilled.

#### SECTION 9: Physical and chemical properties

##### 9.1. Information on basic physical and chemical properties

- Physical state** : Liquid
- Appearance** : milky semi viscous liquid.
- Colour** : Milky

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## Nordson Type Q Fluid

**Odour** : Aliphatic  
**Freezing temperature** : ~ 5°C  
**Boiling temperature** : > 100°C (212°F)  
**Flash point** : Does not flash.  
**Evaporation rate** : No data available.  
**Vapor pressure** : 2.3 kPa at 20°C  
**Vapor density** : 0.804 G/L @ 20 C  
**Specific gravity** : 1 to 1.1  
**Solubility in water** : Completely miscible.  
**Viscosity #1** : > 20.5 mm<sup>2</sup>/s at 40°C  
**Weight per volume** : g/L  
**Oxidising properties** : None Expected.

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** : None Expected.

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** : If stored and handled properly: none known.

### 10.4. Conditions to avoid

**Conditions to avoid** : Excessive heat, sparks and open flames.

### 10.5. Incompatible materials

**Incompatible materials** : Oxidizers.

### 10.6. Hazardous decomposition products

**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.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute

Chemical Name	Oral LD <sub>50</sub>
Isotridecanoethoxylate	> 5000 mg/kg - rat

**Dermal LD<sub>50</sub>** : > 5000 mg/kg (rat)

**Oral LD<sub>50</sub>** : > 5000 mg/kg (rat)

**Inhalation LC<sub>50</sub>** : Not considered to be an inhalation hazard under normal conditions of use.

# SAFETY DATA SHEET

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## Nordson Type Q Fluid

<b>Notes</b>	:
<b>Skin corrosion/irritation</b>	: Non corrosive.
<b>Serious eye damage/irritation</b>	: Not a primary irritant.
<b>Respiratory or skin sensitisation</b>	: Not a sensitizer.
<b>Germ cell mutagenicity</b>	: Negative.
<b>Carcinogenicity</b>	: 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.
<b>Reproductive toxicity</b>	: Not toxic for reproduction.

### SECTION 12: Ecological information

#### 12.1. Toxicity

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

#### Aquatic toxicity (acute)

**96-hour LC<sub>50</sub>** : > 100 mg/L rainbow trout

**48-hour EC<sub>50</sub>** : > 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

#### 12.2. Persistence and degradability

**Persistence and degradability** : Not readily biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** : Not yet Determined

#### 12.4. Mobility in soil

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

#### 12.5. Results of PBT and vPvB assessment

#### 12.6. Other adverse effects

**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.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

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**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.

**Empty container** : offer to licensed container recycler.

### SECTION 14: Transport information

#### 14.1. UN number

UN number : N/A

#### 14.2. UN proper shipping name

UN proper shipping name : NA = Not Applicable

#### 14.3. Transport hazard class(es)

Primary hazard class/division : Not regulated for transport

#### 14.4. Packing group

Packing group : N/A

#### 14.5. Environmental hazards

Marine pollutant #1 : NA = Not Applicable

#### 14.6. Special precautions for user

ADR - road : NA = Not Applicable

RID - rail : NA = Not Applicable

IMDG - sea : NA = Not Applicable

IATA - air : NA = Not Applicable

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Additional information : Not a regulated product.

### 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

**Relevant H-statements (number and full text)** : Aquatic Acute, Cat. 2: Acute Hazards to the Aquatic Environment, Category 2  
 Aquatic Chronic, Cat. 3: Chronic Hazards to the Aquatic Environment, Category 3  
 Asp. Haz., Cat. 1: Aspiration Hazard, Category 1  
 Eye Irr., Cat. 1: Eye Irritation, Category 1  
 H304: May be fatal if swallowed and enters airways.  
 H318: Causes serious eye damage.  
 H401: Toxic to aquatic life.

# SAFETY DATA SHEET

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## Nordson Type Q Fluid

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H412: Harmful to aquatic life with long lasting effects.

**Reason for issue**

: GHS Format

**Revision summary**

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

**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

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

# SAFETY DATA SHEET

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## Nordson Type Q Fluid

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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

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