

# SAFETY DATA SHEET

## Cedelite DI Resin

### Cover sheet / Supplier Information

#### Section 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

**Product name:** Cedelite DI Resin

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

##### Use of substance / mixture:

Demineralisation of water

##### 1.3. Details of the supplier of the safety data sheet

##### Company name:

Blast Wash UK  
24 Baron Avenue  
Earls Barton Industrial Estate  
Earls Barton  
Northants  
NN6 0JE  
United Kingdom

01604 811505 [info@blast-wash.co.uk](mailto:info@blast-wash.co.uk)

##### 1.4. Emergency telephone number

**Emergency tel:**

07725 819653

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# CEDELITE DI RESIN Safety data sheet

Revision Date: 20<sup>th</sup>, November, 2009

**Product Name: CEDELITE**

Mixture of Hydroxide Form Anion Exchange Resin And Hydrogen Form Cation Exchange Resin

**1. Composition/Ingredients:**

**Trimethylamine functionalized chlormethylated copolymer of styrene and divinylbenzene in the hydroxide form CAS# 69011-18-3**

**Sulfonated copolymer of styrene and Divinylbenzene in the hydrogen form.**

**CAS# 69011-20-7**

**Water**

**CAS# 7732-18-5**

**2. Physical/Chemical Data:**

**pH**

Acid/alkaline

**Boiling Point:**

Not Applicable

**Vapor Pressure (MM HG):**

Not Applicable

**Evaporation Rate (water = 1):**

1

**Appearance & Odor:**

Mixture of amber and light yellow solid beads. No to low odor.

**Specific Gravity:**

1.2 (water = 1)

**Melting Point (deg. F):**

Not applicable

**Solubility in Water and organic solvent:**

Insoluble

**Thermal:**

May yield oxides of carbon and nitrogen

**Vapor Density:**

Not Applicable

Product Hazard Rating	Scale
Toxicity = 0	0 = Negligible
Fire = 0	1 = Slight
Reactivity = 0	2 = Moderate
Special – N/A	3 = High
	4 = Extreme

**3. Hazards Identification**

**-Contact with eyes:**

Warning! Causes eye Irritation (R36)

**-Contact with skin:**

Warning! Causes mild skin irritation

**-Environmental hazard**

May change pH of receiving water in case of major spillages

**-This substance is not classified as dangerous according to Directive 1999/45/EC**

**4. First Aid and Control measures**

**Contact with eyes:**

Irrigate immediately with water for at least 5 minutes. Mechanical irritation only.

**Contact with skin:**

Remove contaminated clothing

**Ingestion:**

Wash affected area with plenty of water  
Giving 200-300 ml of water to drink  
Never give anything by mouth to an unconscious person  
Seek immediate medical attention.

**Inhalation:**

No adverse effects anticipated by this route of exposure.

**5. Fire & Explosion Hazard Data**

**Flammable Limits:**

800 °F

**Unusual Fire & Explosion Hazards:**

Product is not combustible until moisture is removed, then resin starts to burn in flame at 230°C. Autoignition occurs above

500 °C. Possible fire.

**Combustion Products:**

Alkylbenzenes, vinylbenzenes, naphthalene, benzaldehydes, phenol, carbon dioxide, water, organic amines, chlorine, nitrogen oxides, ammonia, methyl chloride.

**Extinguishing Media:**

Water, CO<sub>2</sub>, Talc, Dry Chemical

**Special Fire Fighting Procedures:**

MSHA/NIOSH approved self-contained breathing gear.

**6. Accidental Release measures**

Personal precautions

- Keep people away
- Spillage causes slippery surface

Environmental precautions

- Don't allow to enter public sewers and watercourses

Methods for cleaning up.

- Sweep up as much as possible and transfer to plastic containers for recovery or disposal.

**7. Handling and storage**

**7.1 Handling**

- No special precaution are required for this product
- Risk of static discharge from dry bead

**7.2 Storage**

- Store above 0 °C
- Do not store above 40 °C
- Avoid dehydration (when rewetted the resin volume may increase and cause a rupture of the packing)
- Keep only in the original container

### 7.3 Specific Use

- Ion Exchange, adsorption or catalysis.

## 8. Reactivity Data

### Stability:

Stable

### Conditions to Avoid:

Temperatures above 400°F

### Materials to avoid contact with:

Incompatible with strong oxidizing agents (i.e. nitric acid), may produce low molecular weight organics that may form explosive mixtures.

### Hazardous Polymerization:

Decomposition products may include monomers, residual organics, carbon and sulphur oxides

## 9. Toxicological information

### Acute toxicity

- No evidence of acute toxicity

### Carcinogenicity

- No evidence of carcinogenic effects

### Teratogenicity

- No evidence of reproductive effects

### Mutagenicity

- No evidence of mutagenic effects

## 10. Ecological information

### Ecotoxicity

- On available data, substance is not harmful to aquatic life

### Mobility

- Insoluble in water

### Persistence and degradability

- Not biodegradable

### Results of PBT assessment

- Assessment not required

### Other adverse effects

- May change pH of receiving water in case of major spillages.

### **11. Disposal considerations**

- The substance as delivered is not a hazardous waste.
- The used substance may be subject to different classifications, in any case the substance shall be disposed of according to local, regional and national regulations.
- EU number for exhausted or saturated ion exchange resins used in chemical surface treatment and coating of metals is 11 01 16.
- EU number for exhausted or saturated ion exchange resins used for the preparation of drinking water or water for industrial use is 19 09 05.
- EU numbers for exhausted or saturated ion exchange resins used in waste water treatment plants not otherwise specified is 19.08.06.

### **12. Transport information**

- Substances as supplied is not classified as a dangerous good for transport by sea, road, rail and air.
- Spent substance may be subject to classification as a dangerous good for transport by sea, road, rail and air.

### **13. Regulatory information**

Classification and labeling

- Substance classified and hazardous as supplied

Applicable laws and regulations

- This substance meets the OECD polymer definition and is therefore exempt from Reach registration while their monomers are registered instead.

### **14. Other information**

- Relevant R phrases: R36 irritating to eyes
- Restriction: industrial grade ion exchange resins, adsorbents and catalysts are not intended for analytical, medical, food and pharmaceutical applications without preliminary extensive purification.
- This safety data sheet complies with directives 67/548/EEC, 88/379/EEC, 91/155/EEC, and any revisions and amendments.

**Disclaimer: the information provided in this safety data sheet is based on current knowledge about the product and current legal requirements and standards. It relates specifically to health, safety and environmental requirements and standards, may not identify all hazards associated with the product or its uses or misuses, does not signify any warranty with regard to the properties of the product, and only applies when the product is used for the purposes intended. This product is not sold as suitable for other purposes and such other usage may cause risks not mentioned in this safety data sheet.**