

## SAFETY DATA SHEET

### 1 Identification of the substance or preparation and of the company/undertaking

Product Name: **Purolite NRW400, NRW505, NRW600, NRWP400, NRWP505, NRWP600  
Picopure 400, 550A**

Datasheet Number: P-NRW400- 1. 0. 0

Use of the substance/preparation: Demineralisation of aqueous solutions

Chemical Name: Polyvinyl benzyl trimethyl ammonium hydroxide

Ionic form: Hydroxide

Name of Supplier: PUROLITE INTERNATIONAL LIMITED

Address of Supplier: Cowbridge Road, Pontyclun  
Wales, CF72 8YL, United Kingdom

Telephone: +44 (0) 1443 229334

Fax: +44 (0) 1443 222336

Responsible Person:

Emergency Telephone:

### 2 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases	Symbols
Functionalised styrene / divinylbenzene copolymer	25-47%	-	-	R36	Xi
Moisture content	53-75%				

### 3 Hazards identification

- Contact with eyes: Irritating to eyes (R36)
- Contact with skin: Mildly irritating to skin



Irritant

### 4 First aid measures

Contact with skin

- Remove contaminated clothing
- Wash affected area with plenty of water

Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water

## 4 First aid measures (....)

- Seek medical attention if irritation persists

### Ingestion

- Give 200-300mls (half pint) water to drink
- Never give anything by mouth to an unconscious person
- Seek immediate medical attention
- Do not induce vomiting

### Inhalation

- Remove patient to fresh air
  - Seek medical advice
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## 5 Fire-fighting measures

- Combustible solid
  - In case of fire use water, foam, carbon dioxide or dry agent (S43)
  - Substance evolves toxic fumes, wear self-contained breathing apparatus
  - Wear full protective clothing including chemical protection suit
  - Prevent run off water from entering drains if possible
  - If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities
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## 6 Accidental release measures

### Personal Precautions

- Keep people and animals away
- Spillage causes slippery surface

### Environmental Precautions

- Do not allow to enter public sewers and watercourses

### Clean Up Actions

- Collect as much as possible in clean container for reuse or disposal
  - See Section 13
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## 7 Handling and storage

### Handling

- No special precautions are required for this product

### 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 packaging)
  - Keep only in the original container (S49)
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## 8 Exposure controls and personal protection

### Exposure controls

- No special precautions are required for this product

### Occupational exposure controls

- No respiratory protection is required
  - Wear rubber or PVC gloves
  - Wear eye/face protection (S39)
  - Wear chemical protective overalls
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## 9 Physical and chemical properties

- Odour: Odourless
  - Appearance: cream, amber, beads
  - Boiling point - not applicable
  - Melting point - not applicable
  - Insoluble in water
  - Combustible solid
  - Partition coefficient : n-Octanol/water - not applicable
  - Viscosity - not applicable
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## 10 Stability and reactivity

- Considered stable under normal conditions
  - Incompatible with strong oxidizing substances, Contact with strong oxidisers, especially nitric acid, may produce low molecular weight organics that may form explosive mixtures
  - See Section 5
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## 11 Toxicological information

### Toxicological information

- LD50 (oral, rat) >5000 mg/kg
- LD50 (dermal, rabbit) : not available
- LC50 (inhalation, rat) : not applicable
- Irritation to eyes (rabbit) : Irritant by mechanical and chemical action
- Irritation to skin (rabbit) : Minor

### Carcinogenicity

- No evidence of carcinogenic effects

### Teratogenicity

- No evidence of reproductive effects

### Mutagenicity

- No evidence of mutagenic effects
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## 12 Ecological information

### Ecotoxicity

- No information available

### Mobility

- Insoluble in water
- This substance is involatile

### Persistence and Biodegradability

- Not readily biodegradable

### Bioaccumulation Potential

- Bioaccumulation is insignificant
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## 13 Disposal considerations

### Disposal considerations

- In UK, surplus product should be declared a 'Special Waste'. Refer to the 'Control of Pollution (Special Waste) Regulations 1980 - SI 1709'
  - Do not discharge into drains or the environment, dispose to an authorised waste collection point
  - 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 number for exhausted or saturated ion exchange resins used in waste water treatment plants not otherwise specified is 19 08 06
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## 14 Transport information

- Not classified as hazardous for transport
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## 15 Regulatory information

### Risk Phrases

- Irritating to eyes (R36)

### Safety Phrases

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
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## 16 Other information

Meaning of R and S phrases used in Section 2:

(R36: Irritating to eyes.)

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