
SAFETY DATA SHEET

1 Identification of the substance or preparation and the supplier

Product Name: **MUD & SILT REMOVER**
 Datasheet Number: 635326 2.0.0
 Use of the substance/preparation: Ballast water treatment
 Product Part Number: 635326 (25 liter), 661702 (210 liter)

Name of Supplier: Unitor ASA
 Address of Supplier: Willem Barentszstraat 50
 3165 AB Rotterdam-Albrandswaard
 The Netherlands

Telephone: +31 10 4877 777
 Fax: +31 10 4877 888
 Responsible Person: Leen de Visser, Corporate Product Safety Manager, Tel.: +31 6 538 63736

Name of Manufacturer: UNITOR CHEMICALS AS
 Address of Manufacturer: P.O.Box 15
 3141 Kjøpmannskjær
 Norway.

Telephone: +47 333 515 00

Emergency Telephone: NCEC: +44 1865 407333
 CHEMTREC (800) 424 9300
 CMA +1 703 527 3887
 Greece +30 1 7793777

2 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases	Symbols
Polyacrylamide	1-5	9003-05-8	N/A	-	-
Other non classified ingredients	100	-	-	-	-

3 Hazards identification

- Odour: Odourless
 - Appearance: Liquid, pale yellow, soluble in water
 - Contact with eyes: Mildly irritating to eyes
 - Contact with skin: In cases of severe exposure, irritation may develop
 - Inhalation: Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
 - Ingestion: May cause gastro-intestinal disturbances
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4 First aid measures

Contact with skin

- Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water
 - Seek medical attention if irritation persists
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4 First aid measures (....)

Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Seek medical advice

Ingestion

- Never make an unconscious person vomit or drink fluids
- Give water or milk to drink
- When in doubt or symptoms persist, seek medical attention

Inhalation

- Inhalation is unlikely to occur
- Remove patient to fresh air

General

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)
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5 Fire-fighting measures

- Non combustible
 - Nitrogen and carbon oxides may be formed
 - Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
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6 Accidental release measures

Personal Precautions

- Wear protective clothing as per section 8

Environmental Precautions

- No special precautions are required for this product

Immediate Actions

- Shut off source of leak if safe to do so

Clean Up Actions

- Flush spill area with copious amounts of water

Special Precautions

- Wear protective clothing as per section 8
 - No special precautions are required for this product
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7 Handling and storage

Handling

- The usual precautions for handling chemicals should be observed

Storage

- Keep only in the original container in a cool, well ventilated place (S3/9/49)
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8 Exposure controls and personal protection

Exposure Limits

- There are no recommended or established controls for this product

Exposure controls

- No special precautions are required for this product

Occupational exposure controls

- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)



9 Physical and chemical properties

- Odour: Odourless
- Appearance: Liquid, pale yellow, soluble in water
- pH ~ 7 at 1 % concentration
- Boiling point >100 °C at 760 mm /Hg
- Vapour pressure - not known
- Freezing point <0 °C at 760 mm/Hg
- Completely soluble in water
- Specific gravity (water=1) 1.0
- Non combustible

10 Stability and reactivity

- No hazardous decomposition products known
- Avoid overheating, Keep away from frost
- See Section 5

11 Toxicological information

Toxicological information

- No experimental data available

Inhalation

- Inhalation is unlikely to occur

Contact with skin

- In cases of severe exposure, redness and irritation may develop

Contact with eyes

- May cause redness and irritation

Ingestion

- The ingestion of significant quantities may cause gastro-intestinal disturbances

11 Toxicological information (....)

Carcinogenicity

- No evidence of carcinogenic effects
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12 Ecological information

Ecotoxicity

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

Mobility

- Completely soluble in water

Persistence and Biodegradability

- Most components in this product are not readily biodegradable.

Bioaccumulation Potential

- Bioaccumulation of the components in this product is insignificant.

Other Adverse Effects

- Presents little or no hazard to the aquatic environment
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13 Disposal considerations

Classification

- EU Waste class: -

Disposal considerations

- Do not discharge into drains or the environment, dispose to an authorised waste collection point
 - Disposal should be in accordance with local, state or national legislation
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14 Transport information

- Not classified as hazardous for transport
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15 Regulatory information

Classification and labelling

- Not classified as hazardous for users

Risk Phrases

- Not applicable

Safety Phrases

- Not applicable
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16 Other information

16 Other information (....)

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer

This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)

This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC)

This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC)