

SAFETY DATA SHEET

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

Product Name: **MetalGrade Rebuild Activator**
 Datasheet Number: 659243-A 2. 0. 0
 Use of the substance/preparation: Engineering Repair Compound
 Product Part Number: 659243
 Head Office:: Wilhelmsen Ships Service
 address: Stranveien 20 PO Box 33 N-1324 Lysaker Norway
 Name of Supplier: Wilhelmsen Ships Service AS
 Address of Supplier: Willem Barentszstraat 50
 3165AB
 Rotterdam
 The Neherlands
 Telephone: +31 10 4877 777
 Fax: +31 10 4877 888
 Responsible Person: Patrick Rijsdijk, Product HSE Manager, Tel.:+31 6 349 440 35
 Email: Patrick.Rijsdijk@Wilhelmsen.com
 Telephone: +47 67 584550
 Emergency Telephone: ****ONLY TO BE USED IN CASE OF AN INCIDENT****
 NCEC: +44 1865 407333, CHEMTREC (800) 424 9300
 American Chemistry Council +1 703 527 3887,
 Greece +30 210 7793777

2 Hazards identification

- Odour: Strong smell of ammonia
- Appearance: paste, beige, partly soluble in water
- Contact with eyes: Causes redness and irritation
- Contact with skin: In cases of severe exposure, irritation may develop, May cause sensitisation by skin contact (R43)
- Inhalation: Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- Ingestion: Not regarded as a potential route of exposure., Harmful if swallowed (R22)



Harmful

3 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Diethylenetriamine	<10	111-40-0	203-865-4	R21/22, 34, 43	C
Synthetic Polymer	<10	71302-91-5	N/A	R22	Xn
Non-classified ingredients	>80	-	-	-	-

*See Section 16

4 First aid measures

4 First aid measures (....)

Contact with skin

- Wash affected area with plenty of soap and water
- Contaminated clothing should be laundered before reuse

Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Irrigate eyes thoroughly whilst lifting eyelids
- Seek medical attention if irritation persists

Ingestion

- Do not induce vomiting
- Give water or milk to drink
- Seek medical attention if ill effects occur

Inhalation

- Remove patient to fresh air
- When in doubt or symptoms persist, seek medical attention

General

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

5 Fire-fighting measures

- Smoke from fires is irritating. Take precautions to protect personnel from exposure
 - Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
-

6 Accidental release measures

Personal Precautions

- Wear protective clothing as per section 8

Environmental Precautions

- Do not allow to enter public sewers and watercourses

Clean Up Actions

- Absorb spillage in inert material and shovel up
 - Flush spill area with copious amounts of water
-

7 Handling and storage

Handling

- When using do not eat, drink or smoke (S20/21)
- Wash hands thoroughly after using this substance
- Ensure adequate ventilation

Storage

- Keep only in the original container in a cool, well ventilated place (S3/9/49)
-

8 Exposure controls and personal protection

Exposure Limits

- There are no recommended or established controls for this product
 - Diethylenetriamine
TLV (TWA) 4.2 mg/m³ ()
-

8 Exposure controls and personal protection (....)

Exposure controls

- No special precautions are required for this product

Occupational exposure controls

- Wear plastic or rubber gloves
- Wear goggles giving complete eye protection



Goggles



Gloves

No Smoking

9 Physical and chemical properties

- Odour: Strong smell of ammonia
 - Appearance: paste, beige, partly soluble in water
 - Alkaline
 - Boiling point # °C to 200 °C at 760 mm /Hg
 - Vapour pressure <20 mm /Hg
 - Vapour density - not known
 - Freezing point unknown
 - Partially soluble in water
 - Specific gravity 1.7 g/cm³
 - Viscosity - not applicable, Thixotropic paste
-

10 Stability and reactivity

- This article is considered stable under normal conditions
 - Avoid overheating, Keep away from frost
 - See Section 5
-

11 Toxicological information

Toxicological information

- LD50 (oral, rat) 1500 mg/kg

Inhalation

- In cases of severe exposure, irritation may develop

Contact with skin

- In cases of severe exposure, irritation may develop

Contact with eyes

- Causes redness and irritation

Ingestion

- Not regarded as a potential route of exposure.
 - The ingestion of significant quantities may cause gastro-intestinal disturbances
-

12 Ecological information

Ecotoxicity

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

Mobility

- Partially soluble in water.
-

12 Ecological information (....)

Persistence and Biodegradability

- Not readily biodegradable

Bioaccumulation Potential

- No information available

Other Adverse Effects

- No environmental problems are expected when the product is used / handled correctly. In its intended use, the product will not be released into the environment.
-

13 Disposal considerations

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
-

14 Transport information

Transport information

- Not classified as hazardous for transport
-

15 Regulatory information



Harmful

Risk Phrases

- Irritating to eyes and skin (R36/38)
- May cause sensitisation by skin contact (R43)

Safety Phrases

- After contact with skin, wash immediately with plenty of soap and water (S28)
 - Keep locked up and out of reach of children (S1/2)
 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
 - Wear suitable protective clothing, eye/face protection and gloves (S36/37/39)
 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)
-

16 Other information

Text of R and S phrase codes used in this safety data sheet:- R21/22: Harmful in contact with skin and if swallowed; R22: Harmful if swallowed; R34: Causes burns; R43: May cause sensitisation by skin contact.

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

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

16 Other information (....)

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