

## SAFETY DATA SHEET

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

## 1.1 Product and Company information

- Datasheet Number: 659268-A
- Product Name: Ceramigrade Rebuild Activator
- Product Part Number: 659276

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

- Polymer repair system

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

## Head Office:

Wilhelmsen Ships Service AS  
Strandveien 20, N1324 Lysaker,  
Norway Tel: (47) 6349 440 35

## Supplier:

Wilhelmsen Ships Service AS  
Willem Barentszstraat 50  
3165AB Rotterdam  
Telephone: +31 4877 777  
Fax: +31 4877 888  
The Netherlands

For quotations contact your local Customer Services

- Responsible person

Product HSE Manager, Tel.: +31 10 4877775

Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com

## 1.4 Emergency telephone number

-ONLY TO BE USED IN CASE OF AN INCIDENTNCEC:+

44 1865 407333, CHEMTREC (800) 424 9300

American Chemistry Council +1 703 527 3887,

Greece +30 210 7793777Australia: +61 3 9630 0998

Giftinformasjonsentralen in Norway Tel.: +47 22591300

Wilhelmsen Ships Service Melbourne AUSTRALIA

Emergency 24hrs: +61 3 9630 0998

**\*\*FOR QUOTATIONS PLEASE CONTACT YOUR LOCAL CUSTOMER SERVICES\*\***

**SECTION 2 Hazards identification**

## 2.1 Classification of the substance or mixture

- Classification according to Directive 67/548/EEC or Directive 1999/45EC

## 2.2 Label elements



Irritant



Dangerous for the Environment

- Risk Phrases

Irritating to eyes and skin (R36/38)

**SECTION 2 Hazards identification (....)**

- May cause sensitisation by skin contact (R43)
- Safety Phrases
  - Avoid contact with skin (S24)
  - Wear suitable gloves (S37)
  - If swallowed seek medical advice immediately and show this container or label (S46)

**2.3 Other hazards**

- Ingestion: In cases of severe exposure, gastro-intestinal disturbances may develop
- Appearance: paste, light, blue
- Odour: Odourless

**SECTION 3 Composition/information on ingredients****3.1 Mixtures**

- Silica, amorphous, fumed
  - Concentration: <5%
  - CAS Number: 7631-86-9
  - EC Number: 231-545-4
  - Symbols: Xi
  - R/H Phrases: R36
  - Categories: Not applicable
- 2,2'-iminodiethylamine; diethylenetriamine
  - Concentration: <5
  - CAS Number: 111-40-0
  - EC Number: 203-865-4
  - Symbols: GHS05,GHS07, C
  - R/H Phrases: H312,H302,H314,H317, R21/22,R34,R43
  - Categories: Acute Tox. 4 \* Acute Tox. 4 \* Skin Corr. 1B Skin Sens. 1
- Non-classified ingredients
  - Concentration: 90%
  - CAS Number: Not applicable
  - EC Number: Not applicable
  - Symbols: -
  - R/H Phrases: -
  - Categories: Not applicable

**SECTION 4 First aid measures****4.1 Description of first aid measures**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- If eye irritation persists: Get medical advice/attention (P337+P313).
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- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
- If skin irritation occurs: Get medical advice/attention (P332+P313).
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- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
- When in doubt or symptoms persist, seek medical attention
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- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- Give plenty of water to drink
- When in doubt or symptoms persist, seek medical attention

**4.2 Most important symptoms and effects, both acute and delayed**

- Possible redness and irritation of affected areas

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

- In cases of severe exposure, gastro-intestinal disturbances may develop
- 4.3 Indication of any immediate medical attention and special treatment needed
- No information available
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## SECTION 5 Fire-fighting measures

- 5.1 Extinguishing media
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- 5.2 Special hazards arising from the substance or mixture
- In case of fire, do not breathe fumes
  - Carbon dioxide may be formed
  - Carbon oxides may be formed
  - Nitrogen oxides may be formed
- 5.3 Advice for firefighters
- Smoke from fires is irritating. Take precautions to protect personnel from exposure
  - Wear Positive-Pressure Breathing Apparatus
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## SECTION 6 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
- Wear protective clothing as per section 8
- 6.2 Environmental Precautions
- Do not allow to enter public sewers and watercourses
- 6.3 Methods and material for containment and cleaning up
- Absorb spillage in inert material and shovel up
  - Ventilate the area and wash spill site after material pick-up is complete
- 6.4 Reference to other sections
- None
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## SECTION 7 Handling and storage

- 7.1 Precautions for safe handling
- When using do not eat, drink or smoke (S20/21)
  - Wash hands thoroughly after using this substance
  - Ensure adequate ventilation
- 7.2 Conditions for safe storage, including any incompatibilities
- Keep only in the original container in a cool, well ventilated place away from frost (S3/9/14/49)
- 7.3 Specific end use(s)
- Not applicable
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## SECTION 8 Exposure controls/personal protection

- 8.1 Control parameters
- Diethylenetriamine  
TLV (TWA) 4.2 mg/m<sup>3</sup> ( )
- 8.2 Exposure controls
- No special precautions are required for this product
- 8.3 Occupational exposure controls

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**SECTION 8 Exposure controls/personal protection (....)**

Gloves



Goggles



No Smoking

- Wear plastic or rubber gloves
  - Penetration time of glove material:  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
  - Wear goggles giving complete eye protection
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**SECTION 9 Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: paste, light, blue
- insoluble in water
- Vapour pressure (0,03 kPA) 0.2 mm /Hg

## 9.2 Other information

- No information available
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**SECTION 10 Stability and reactivity**

## 10.1 Reactivity

- This article is considered stable under normal conditions

## 10.2 Chemical stability

- Considered stable under normal conditions

## 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

## 10.4 Conditions to avoid

- Avoid overheating

## 10.5 Incompatible materials

- Incompatible with acid
- Incompatible with oxidizing substances

## 10.6 Hazardous Decomposition Products

- Decomposition products may include carbon dioxide
  - Decomposition products may include carbon oxides
  - Decomposition products may include nitrogen oxides
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**SECTION 11 Toxicological information**

## 11.1 Information on toxicological effects

- LD50 (oral,rat) 2000 mg/kg
- Prolonged skin or eye contact may cause chemical burns

## 11.2 Contact with eyes

- Causes irritation

## 11.3 Contact with skin

- Causes irritation

## 11.4 Ingestion

- In cases of severe exposure, gastro-intestinal disturbances may develop
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## **SECTION 11 Toxicological information (....)**

### 11.5 Inhalation

- In cases of severe exposure, coughing may develop
  - In cases of severe exposure, breathing difficulty may develop
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## **SECTION 12 Ecological information**

### 12.1 Toxicity

- LC50 (fish) (Diethlenetriamine)(*Poecilia reticulata*) 1014 mg/l (96 hr)

### 12.2 Persistence and degradability

- Not readily biodegradable

### 12.3 Bioaccumulation Potential

- No information available

### 12.4 Mobility in soil

- Insoluble in water

### 12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

### 12.6 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.
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## **SECTION 13 Disposal considerations**

### 13.1 Waste treatment methods

- 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

### 13.2 Classification

- Not applicable
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## **SECTION 14 Transport information**

Not classified as hazardous for transport

### 14.1 UN Number

- Not applicable

### 14.2 UN Proper Shipping Name

- Not applicable

### 14.3 Transport hazard class(es)

- Not applicable

### 14.4 Packing group

- Not applicable

### 14.5 Environmental hazards

- Not Classified

### 14.6 Special precautions for user

- Not Classified

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not Classified
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**SECTION 15 Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Classification according to Directive 67/548/EEC or Directive 1999/45EC
- Refer to current The Dangerous Substances Directive (67/548/EEC)
- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010

**15.2 Chemical Safety Assessment**

- None
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**SECTION 16 Other information**

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H302: Harmful if swallowed. H312: Harmful in contact with skin. H314: Causes severe skin burns and eye damage. H317: May cause an allergic skin reaction. R21/22: Harmful in contact with skin and if swallowed. R34: Causes burns. R36: Irritating to eyes. R43: May cause sensitisation by skin contact. The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

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

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 most up-to-date version of this MSDS can be found on [www.wilhelmsen.com/shipsservice](http://www.wilhelmsen.com/shipsservice)

**OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES**

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