

SAFETY DATA SHEET

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

Product Name: **MetalGrade Ready Stick Activator**
Datasheet Number: 659227-A 4. 0. 0
Use of the substance/preparation: Engineering Repair Compound
Product Part Number: 659227
Head Office:: Wilhelmsen Ships Service AS
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 Netherlands
Telephone: +31 10 4877 777
Fax: +31 10 4877 888
Responsible Person: Patrick Rijdsdijk, Product HSE Manager, Tel.: +31 6 349 440 35
Email: Patrick.Rijdsdijk@Wilhelmsen.com
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

Corrosive

- Odour: Characteristic odour
- Appearance: Putty, beige, partly soluble in water
- Contact with eyes: May cause severe irritation
- Contact with skin: Causes burns (R34), 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., May cause gastro-intestinal disturbances

Classification of the substance or mixture

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.

Risk Phrases

- Irritating to eyes and skin (R36/38)
- May cause sensitisation by skin contact (R43)
- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53)
- Harmful by inhalation, in contact with skin and if swallowed (R20/21/22)
- Causes burns (R34)
- Possible risk of irreversible effects (R68)

Safety Phrases

- Avoid contact with skin and eyes (S24/25)
- After contact with skin, wash immediately with plenty of soap and water (S28)
- Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)

2 Hazards identification (....)

- 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)

3 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Phenol	<10	108-95-2	203-632-7	R23/24/25, 34, 48/20/21/22, 68	T, C
Diethylenetriamine	<2	111-40-0	203-865-4	R21/22, 34, 43	C
Triethylenetetramine	<15	112-24-3	203-950-6	R21, 34, 43, 52/53	C
Triethylenetetramine	<10	112-57-2	203-968-2	R21/22, 34, 43, 51/53	C, N
Synthetic Polymer	<5	71302-91-5	N/A	R22	Xn

*See Section 16

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
- 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
- When in doubt or symptoms persist, seek medical attention

Ingestion

- Do not induce vomiting
- Give water or milk to drink
- Seek immediate medical attention

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

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

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8

Environmental Precautions

- Do not allow to enter public sewers and watercourses

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

7 Handling and storage

Precautions for safe handling

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

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)
-

8 Exposure controls/personal protection

Control parameters

- Phenol
TLV (TWA) 19 mg/m³ ()
- Diethylenetriamine
TLV (TWA) 4.2 mg/m³ ()
- Triethylenetetramine
No exposure limits have been set for this substance
- Triethylenetetramine
No exposure limits have been set for this substance
- Synthetic Polymer
No exposure limits have been set for this substance

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: Characteristic odour
 - Appearance: Putty, beige, partly soluble in water
 - Alkaline
 - Boiling point # °C to >220 °C at 760 mm /Hg
 - Vapour pressure <20 mm /Hg
 - Partially soluble in water
 - Specific gravity 1.95 g/cm³
 - Viscosity - not applicable, Thixotropic paste
-

10 Stability and reactivity

- This article is considered stable under normal conditions
 - Avoid overheating
 - See Section 5
-

11 Toxicological information

Information on toxicological effects

- LD50 (oral,rat) 4000 mg/kg

Inhalation

- May cause irritation
-

11 Toxicological information (....)

Contact with skin

- Prolonged skin or eye contact may cause chemical burns

Contact with eyes

- Prolonged skin or eye contact may cause chemical burns

Ingestion

- Not regarded as a potential route of exposure.
- No information available but must be considered harmful

Carcinogenicity

- No information available

Mutagenicity

- Category 3 Mutagen
-

12 Ecological information

Ecotoxicity

- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53)

Persistence and degradability

- Not readily biodegradable

Bioaccumulation Potential

- No information available

Mobility in soil

- Partially soluble in water.

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

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
-

14 Transport information



Corrosive

Proper Shipping Name: Corrosive solid, basic, organic, N.O.S(Phenol, Amine mixture)

Road/Rail (ADR/RID)

Proper Shipping Name:	Corrosive solid, basic, organic, N.O.S(Phenol, Amine mixture)		
ADR UN No.:	UN3263	ADR Hazard Class:	8
ADR Packing Group:	III	ADR subrisk:	N/A
ADR Flashpoint:	N/A		

14 Transport information (....)

Sea (IMDG)

Proper Shipping Name:	Corrosive solid, basic, organic, N.O.S(Phenol, Amine mixture)		
IMDG UN No.:	UN3263	IMDG Hazard Class.:	8
IMDG Pack Group.:	III	IMDG EmS:	F-A, S-B
IMDG subrisk:	N/A	IMDG Flashpoint:	N/A

Air (ICAO/IATA)

Proper Shipping Name:	Corrosive solid, basic, organic, N.O.S(Phenol, Amine mixture)		
ICAO Un No.:	UN3263	ICAO Hazard Class.:	8
ICAO Packing Group.:	III	ICAO subrisk:	N/A
ICAO Flashpoint:	N/A		

DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name:	Corrosive solid, basic, organic, N.O.S(Phenol, Amine mixture)		
Hazardous Material:	Phenol, Amine mixture		
Hazard Class:	8	Identification Number:	UN3263
Product RQ (lbs):	N/A	DOT subrisk:	N/A
DOT Flashpoint:	N/A		

15 Regulatory information

Classification and labelling

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.

Safety, health and environmental regulations/legislation specific for the substance or mixture

- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
- Restricted to professional users

16 Other information

Text of R and S phrase codes used in this safety data sheet:- R21: Harmful in contact with skin; R21/22: Harmful in contact with skin and if swallowed; R22: Harmful if swallowed; R23/24/25: Toxic by inhalation, in contact with skin and if swallowed; R34: Causes burns; R43: May cause sensitisation by skin contact; R48/20/21/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed; R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment; R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment; R68: Possible risk of irreversible effects.

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