

SAFETY DATA SHEET**1 Identification of the substance or preparation and of the company/undertaking**

Product Name: **DESCALEX**
Datasheet Number: 571646 6. 0. 0
Use of the substance/preparation: Cleaning agent
Product Part Number: 571646 (25 kg)
Name of Supplier: Wilhelmsen Maritime Services AS
Address of Supplier: Willem Barentszstraat 50
3165 AB Rotterdam-Albrandswaard, The Netherlands

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Responsible Person: Leen de Visser, Product HSE Manager, Tel.: +31 6 538 63736
Email: Leen.de.Visser@Wilhelmsen.com
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
American Chemistry Council +1 703 527 3887, Greece +30 210 7793777

2 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Sulphamic acid	60-100	5329-14-6	226-218-8	36/38, 52/53	Xi
Non classified ingredients	1-10				

*See Section 16

3 Hazards identification

- Odour: Characteristic odour
- Appearance: crystals, orange, soluble in water
- Contact with eyes: Causes severe irritation
- Contact with skin: In cases of severe exposure, irritation may develop
- Inhalation: Irritating to respiratory system (R37)
- Ingestion: The ingestion of significant quantities may cause burning sensation
- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53)



Irritant

4 First aid measures

Contact with skin

- Wash affected area with plenty of soap and water
- Contaminated clothing should be laundered before reuse
- Seek medical attention if irritation persists

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
- Obtain immediate medical attention

Ingestion

- Do not induce vomiting
- Never give anything by mouth to an unconscious person
- Give water or milk to drink

4 First aid measures (....)

- Obtain immediate medical attention

Inhalation

- Inhalation is unlikely to occur
- 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

- Non-combustible solid
- Smoke from fires is irritating
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- Prevent run off water from entering drains if possible

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

- Sweep or shovel-up spillage and remove to a safe place
- Wash spill site with water and detergent

Special Precautions

- Wear protective clothing as per section 8

7 Handling and storage

Handling

- Wear protective clothing as per section 8
- In use, may form flammable/explosive vapour-air mixture (R18)
- Ensure adequate ventilation
- Avoid contact with skin and eyes (S24/25)
- Eyewash bottles should be available

Storage

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

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)
- Wear suitable dustmask e.g. to BS 2091



Gloves



Suit



Goggles



No Smoking

9 Physical and chemical properties

- Odour: Characteristic odour
- Appearance: crystals, orange, soluble in water
- pH 1 at 10 % concentration
- Boiling point - not applicable
- Vapour pressure - not known
- Melting point 205 °C at 760 mm /Hg

9 Physical and chemical properties (....)

- Water solubility ~ 200 g/l
- Density 1200 kg/m³
- Non-combustible solid

10 Stability and reactivity

- This article is considered stable under normal conditions, In use, may form flammable/explosive vapour-air mixture (R18), Reaction products may include hydrogen
- Avoid overheating
- Incompatible with alkalis (strong bases)
- Contact with nitrite (e.g. Dieselguard NB, Rocor NB Liquid) liberates toxic gas.

11 Toxicological information

Toxicological information

- LD50 (oral,rat) 3160 mg/kg

Inhalation

- May cause severe irritation
- May cause shortness of breath

Contact with skin

- May cause irritation

Contact with eyes

- Causes severe irritation

Ingestion

- The ingestion of significant quantities may cause burning sensation

Carcinogenicity

- No evidence of carcinogenic effects

12 Ecological information

Ecotoxicity

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

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

- 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

Classification

- EU Waste class: 06.01
- This material and/or its container must be disposed of as hazardous waste

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



Corrosive

Proper Shipping Name: Sulphamic acid, mixture

14 Transport information (....)

UN

Proper Shipping Name:	Sulphamic acid, mixture		
UN No.:	2967		
Hazard Class:	8	Packing Group:	III

Road/Rail (ADR/RID)

Proper Shipping Name:	Sulphamic acid, mixture		
ADR UN No.:	2967		
ADR Hazard Class:	8	Tremcard:	80GC2-III

Sea (IMDG)

Proper Shipping Name:	Sulphamic acid, mixture		
IMDG UN No.:	2967		
IMDG Hazard Class.:	8	IMDG Pack Group.:	III
IMDG EmS:	F-A, S-B	IMDG subrisk:	N/A
IMDG Labels:	8	IMDG Flashpoint:	N/A

Air (ICAO/IATA)

Proper Shipping Name:	Sulphamic acid, mixture		
ICAO Un No.:	2967		
ICAO Hazard Class.:	8	ICAO Packing Group.:	III
ICAO subrisk:	N/A	ICAO Labels:	8
ICAO Flashpoint:	N/A		

DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name:	Sulphamic acid, mixture		
Hazardous Material:	Sulphamic acid		
Hazard Class:	8	Identification Number:	UN 2967
Product RQ (lbs):	N/E	DOT subrisk:	N/A
DOT Labels:	8	DOT Flashpoint:	N/A

15 Regulatory information

Irritant

Risk Phrases

- Irritating to eyes and skin (R36/38)
- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53)

Safety Phrases

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
- After contact with skin, wash immediately with plenty of soap and water (S28)
- Wear suitable gloves and eye/face protection (S37/39)
- Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)

16 Other information

Text of R and S phrase codes used in this safety data sheet:- R36/38: Irritating to eyes and skin; R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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)

Composition information in accordance with Regulation (EC) No 648/2004 of the European Parliament and of the

16 Other information (....)

Council of 31 March 2004 on detergents:

Nonionic surfactants <5 %