

SAFETY DATA SHEET

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

Product Name: SOOTREMOVER
Datasheet Number: 571240 4. 0. 0
Use of the substance/preparation: Post combustion treatment, Soot remover
Product Part Number: 571240 (25 kg)
Name of Supplier: Wilhelmsen Maritime Services AS
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, 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
Copper hydroxide carbonate	10-30	12069-69-1	235-113-6	22	Xn
Non classified ingredients	60-90				

*See Section 16

3 Hazards identification

- Odour: Odourless
- Appearance: hygroscopic, powder, green, soluble in water
- Contact with eyes: Causes irritation
- Contact with skin: In cases of severe exposure, irritation may develop
- Inhalation: Severely irritating to respiratory system
- Ingestion: Harmful if swallowed (R22)



Harmful

4 First aid measures

Contact with skin

- Remove contaminated clothing
- Wash affected area with plenty of water
- Seek medical attention if irritation persists
- 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
- Obtain immediate medical attention

Ingestion

- Induce vomiting (only if patient is conscious)
- Never give anything by mouth to an unconscious person

4 First aid measures (....)

- Give water or milk to drink
- Seek 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
- 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
- Ventilate the area and wash spill site after material pick-up is complete

Special Precautions

- Wear protective clothing as per section 8

7 Handling and storage

Handling

- Wear protective clothing as per section 8
- Avoid contact with skin and eyes (S24/25)
- Do not breathe dust (S22)
- Eyewash bottles should be available

Storage

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

8 Exposure controls and personal protection

Exposure Limits

- No exposure limits have been set for this substance

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)
- Respiratory protection may be required under exceptional circumstances when excessive air contamination exists



Goggles



Gloves



Suit



No Smoking

9 Physical and chemical properties

- Odour: Odourless
- Appearance: hygroscopic, powder, green, soluble in water
- pH 6 at 1 % concentration
- Boiling point - not applicable
- Vapour pressure - not applicable
- Vapour density - not applicable

9 Physical and chemical properties (....)

- Melting point - not known
- Water solubility ~ 100 g/l
- Density 1000 kg/m³
- Non-combustible solid

10 Stability and reactivity

- This article is considered stable under normal conditions
- Keep away from moist air or water

11 Toxicological information

Toxicological information

- LD50 (oral, rat) 1350 mg/kg
- (Copper hydroxide carbonate)

Inhalation

- Causes irritation

Contact with skin

- Causes irritation

Contact with eyes

- Causes severe irritation

Ingestion

- Harmful if swallowed (R22)
- The ingestion of significant quantities may cause damage to stomach lining
- The ingestion of significant quantities may cause diarrhoea
- The ingestion of significant quantities may cause pain

Carcinogenicity

- No evidence of carcinogenic effects

12 Ecological information

Ecotoxicity

- May cause acute effects in the aquatic environment

Mobility

- Water solubility ~ 100 g/l

Persistence and Biodegradability

- Degrades by hydrolysis

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: 06.04.02

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



Toxic

Proper Shipping Name: Toxic solid, inorganic, n.o.s (Copper chloride, copper hydroxide carbonate)

14 Transport information (....)

UN

Proper Shipping Name: Toxic solid, inorganic, n.o.s (copper hydroxide carbonate)
UN No.: 3288

Hazard Class: 6.1 Packing Group: III

Road/Rail (ADR/RID)

Proper Shipping Name: Toxic solid, inorganic, n.o.s (copper hydroxide carbonate)
ADR UN No.: 3288

ADR Hazard Class: 6.1 Tremcard: 61GT5-III

Sea (IMDG)

Proper Shipping Name: Toxic solid, inorganic, n.o.s (copper hydroxide carbonate)
IMDG UN No.: 3288

IMDG Hazard Class.: 6.1 IMDG Pack Group.: III

IMDG EmS: F-A, S-A IMDG subrisk: N/A

IMDG Labels: 6.1 IMDG Flashpoint: N/A

Air (ICAO/IATA)

Proper Shipping Name: Toxic solid, inorganic, n.o.s (copper hydroxide carbonate)
ICAO Un No.: 3288

ICAO Hazard Class.: 6.1 ICAO Packing Group.: III

ICAO subrisk: N/A ICAO Labels: 6.1

ICAO Flashpoint: N/A

DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name: Toxic solid, inorganic, n.o.s (copper hydroxide carbonate)
Hazardous Material: copper hydroxide carbonate

Hazard Class: 6.1 Identification Number: UN 3288

Product RQ (lbs): N/E DOT subrisk: N/A

DOT Labels: 6.1 DOT Flashpoint: N/A

15 Regulatory information

Harmful

Risk Phrases

- Harmful if swallowed (R22)

Safety Phrases

- Wear suitable protective clothing, eye/face protection (S36/39)
- If swallowed seek medical advice immediately and show this container or label (S46)

16 Other information

Text of R and S phrase codes used in this safety data sheet:- R22: Harmful if swallowed.

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)

