

## SAFETY DATA SHEET

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

Product Name: **CHLORINATING TABLETS - POOL POWER MULTI-ACTION TABLETS 200G**  
 Datasheet Number: 766410 5. 0. 0  
 Use of the substance/preparation: Disinfectant  
 Product Part Number: 766410 (25kg)  
 Head Office:: Wilhelmsen Ships Service  
 address: Strandveien 20 - N-1324 Lysaker - Norway - Telephone: +47 333 515 00  
 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  
 Name of Manufacturer: Melspring International BV  
 Address of Manufacturer: Arnhemsestraatweg 8  
 NL-6880AG - Velp  
 The Netherlands  
 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: Chlorine
- Appearance: Tablets, white, soluble in water
- Contact with eyes: Irritating to eyes (R36)
- Contact with skin: May cause irritation
- Inhalation: Irritating to respiratory system (R37)
- Ingestion: Harmful if swallowed (R22)
- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R50/53)
- Contact with combustible material may cause fire (R8)
- Contact with acids liberates toxic gas (R31)



Harmful



Dangerous for the Environment



Oxidising

## 3 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Trichloroisocyanuric acid	80-100	87-90-1	201-782-8	8, 22, 31, 36/37, 50/53	O, Xn, N

\*See Section 16

## **4 First aid measures**

### Contact with skin

- Wash affected area with plenty of soap and water
- When in doubt or symptoms persist, seek medical attention
- Remove contaminated clothing
- 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

- Never make an unconscious person vomit or drink fluids
- Give plenty of water to drink
- Seek immediate medical attention

### Inhalation

- Remove patient to fresh air
- Keep warm and at rest
- When in doubt or symptoms persist, seek medical attention

### General

- The onset of toxic effects may be delayed for 48 hours, keep affected person under medical observation
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## **5 Fire-fighting measures**

- Not flammable but will support combustion
  - May give off noxious and toxic fumes in a fire
  - Substance evolves toxic fumes, wear self-contained breathing apparatus
  - In case of fire and/or explosion do not breathe fumes (S41)
  - Prevent run off water from entering drains if possible
  - In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide (S43)
  - Do not use dry agent
- 

## **6 Accidental release measures**

### Personal Precautions

- Wear protective clothing as per section 8
- Avoid raising dust
- Ensure adequate ventilation

### Environmental Precautions

- Do not allow to enter public sewers and watercourses

### Immediate Actions

- Use appropriate containment to avoid environmental contamination (S57)

### 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

- Avoid raising dust
  - Wear protective clothing as per section 8
  - Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)
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### 7 Handling and storage

#### Handling

- Wear protective clothing as per section 8
- Avoid contact with skin and eyes (S24/25)
- Do not breathe vapour/fumes (S23)
- Eyewash bottles should be available
- Ensure adequate ventilation

#### Storage

- Keep only in the original container in a cool, well ventilated place away from combustible material (S3/9/14/49)
  - Do not store above 50 °C
  - Keep away from acid (S14)
  - Protect from moist air
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### 8 Exposure controls and personal protection

#### Exposure Limits

- Trichloroisocyanuric acid  
TLV (TWA) 0.5 mg/m<sup>3</sup> ( )

#### 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



Gloves



Goggles



Suit



No Smoking

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### 9 Physical and chemical properties

- Odour: Chlorine
  - Appearance: Tablets, white, soluble in water
  - pH 3 at 1 % concentration
  - Boiling point - not known, decomposes
  - Vapour pressure - not applicable
  - Vapour density - not applicable
  - Melting point 225 °C at 760 mm /Hg
  - Completely soluble in water
  - Density 2.5 g/cm<sup>3</sup> at 20 deg C
  - Not flammable but will support combustion
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### 10 Stability and reactivity

- This article is considered stable under normal conditions
  - Avoid overheating
  - Incompatible with acid, Contact with acids liberates very toxic gas (R32)
  - See Section 5
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## **11 Toxicological information**

### Toxicological information

- LD50 (oral, rat) 406 mg/kg
- LD50 (dermal) : 7600 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

- May cause severe irritation

### Ingestion

- Harmful if swallowed (R22)
- The ingestion of significant quantities may cause damage to digestive system

### Carcinogenicity

- No evidence of carcinogenic effects
- 

## **12 Ecological information**

### Ecotoxicity

- May cause acute effects in the aquatic environment
- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R50/53)

### Mobility

- Completely soluble in water

### Persistence and Biodegradability

- Its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable.
- Degrades by hydrolysis
- Toxic to sewage works organisms

### 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.
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## **13 Disposal considerations**

### Classification

- This material and/or its container must be disposed of as hazardous waste
- EU Waste class: 06.03.99

### 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
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## **14 Transport information**

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## 14 Transport information (...)



Oxidizing Agent



Marine Pollutant

Proper Shipping Name: Trichloroisocyanuric acid, dry

Emergency Action Code

UN

Road/Rail (ADR/RID)

Proper Shipping Name:	Trichloroisocyanuric acid, dry	ADR Hazard Class:	5.1
ADR UN No.:	UN2468	ADR subrisk:	-
ADR Packing Group:	II	ADR Flashpoint:	-
ADR-RID Labels:	5.1 + Mar Pol.		

Sea (IMDG)

Proper Shipping Name:	Trichloroisocyanuric acid, dry	IMDG Hazard Class.:	5.1
IMDG UN No.:	UN2468	IMDG EmS:	F-A, S-Q
IMDG Pack Group.:	II	IMDG Labels:	5.1 + Mar Pol.
IMDG subrisk:	-		
IMDG Flashpoint:	-		

Air (ICAO/IATA)

Proper Shipping Name:	Trichloroisocyanuric acid, dry	ICAO Hazard Class.:	5.1
ICAO Un No.:	UN2468	ICAO subrisk:	-
ICAO Packing Group.:	II	ICAO Flashpoint:	-
ICAO Labels:	5.1 + Mar Pol.		

DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name:	Trichloroisocyanuric acid, dry	Hazard Class:	5.1
Hazardous Material:	contains trichloroisocyanuric acid	Product RQ (lbs):	-
Identification Number:	UN2468	DOT Labels:	5.1 + Mar Pol.
DOT subrisk:	-		
DOT Flashpoint:	-		

## 15 Regulatory information



Harmful



Dangerous for the Environment



Oxidising

Risk Phrases

- Contact with combustible material may cause fire (R8)
- Harmful if swallowed (R22)
- Contact with acids liberates toxic gas (R31)
- Irritating to eyes and respiratory system (R36/37)
- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R50/53)

## **15 Regulatory information (...)**

### Safety Phrases

- Keep out of reach of children (S2)
  - Keep container dry (S8)
  - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
  - In case of fire and/or explosion do not breathe fumes (S41)
  - This material and its container must be disposed of as hazardous waste (S60)
  - Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)
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## **16 Other information**

Text of R and S phrase codes used in this safety data sheet:- R22: Harmful if swallowed; R31: Contact with acids liberates toxic gas; R36/37: Irritating to eyes and respiratory system; R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment; R8: Contact with combustible material may cause fire.

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 Safety Data Sheets Directive (2001/58EC)