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## SAFETY DATA SHEET

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

#### 1.1 Product identifier

Product Name: TOTAL HARDNESS TITRATION PACK M204-1  
Datasheet Number: 777052-Part1 1. 0. 0  
Product Part Number: 777052  
Head Office:: Wilhelmsen Ships Service As  
Address: Strandveien 20, N1324 Lysaker, Norway. Tel:(+47) 67 58 45 50

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

##### Reagent

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

Name of Supplier: For quotations contact your local Customer Services  
Address of Supplier: Wilhelmsen Ships Service AS  
Willem Barentszstraat 50  
3165AB Rotterdam  
+31 4877 888  
The Netherlands  
Telephone: +31 4877 777  
Fax:  
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 INCIDENT-  
NCEC: +44 1865 407333, CHEMTREC (800) 424 9300  
American Chemistry Council +1 703 527 3887,  
Greece +30 210 7793777  
Australia: +61 3 9630 0998  
Giftinformasjonssentralen in Norway Tel.: +47 22591300

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### 2 Hazards identification

#### 2.1 Classification of the substance or mixture

- The product is not classified as hazardous according to directive 1999/45/EEC
- Not classified as hazardous for supply

#### 2.2 Label elements

##### Precautionary Phrases

- Keep out of reach of children.

##### Safety Phrases

- Keep out of reach of children (S2)
- Avoid contact with skin and eyes (S24/25)

#### 2.3 Other hazards

- Odour: Odourless

## 2 Hazards identification (....)

- Appearance: Liquid, colourless, miscible with water
- Contact with eyes: May cause redness and irritation
- Contact with skin: May cause redness and irritation
- Ingestion: May cause irritation

## 3 Composition/information on ingredients

### 3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases	Symbols
Non classified ingredients		-	-	-	-

## 4 First aid measures

### 4.1 Description of first aid measures

- IF ON SKIN: Wash with plenty of soap and water.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- 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
- The ingestion of significant quantities may cause nausea/vomiting

### 4.3 Indication of immediate medical attention and special treatment needed

## 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

- Low hazard

### 5.3 Advice for firefighters

- Wear chemical protection suit and positive-pressure breathing apparatus

## 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Shut off source of leak if safe to do so
- Wash thoroughly after dealing with spillage

### 6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses
- Do not flush spilt material into any public water system

## **6 Accidental release measures (....)**

### 6.3 Methods and material for containment and cleaning up

- Absorb spillage in earth or sand
- Place in sealable container
- Seal containers and label them

### 6.4 Reference to other sections

- None

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## **7 Handling and storage**

### 7.1 Precautions for safe handling

- Eyewash bottles should be available
- Do not get in eyes, on skin, or on clothing.
- See Section 8

### 7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- Keep only in original container.

### 7.3 Specific end use(s)

- Restricted to professional users

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## **8 Exposure controls/personal protection**

### 8.1 Control parameters

- No exposure limits have been set for this substance

### 8.2 Exposure controls

- No special precautions are required for this product

#### Occupational exposure controls

- Wear goggles giving complete eye protection
- Wear neoprene or nitrile gloves



Gloves



Goggles

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## **9 Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: Liquid, colourless, miscible with water
- pH <7
- Boiling point >35 °C
- Flash point >93 deg C (CC)

### 9.2 Other information

## **10 Stability and reactivity**

### 10.1 Reactivity

- This article is considered stable under normal conditions

### 10.2 Chemical stability

- This article is 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

- Keep away from heat, light and moisture

### 10.5 Incompatible materials

- None

### 10.6 Hazardous Decomposition Products

- No hazardous decomposition products known
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## **11 Toxicological information**

### 11.1 Information on toxicological effects

- No information available

#### Inhalation

- Not applicable

#### Contact with skin

- May cause redness and irritation

#### Contact with eyes

- May cause redness and irritation

#### Ingestion

- In cases of severe exposure, dizziness, confusion, headache or stupor may develop
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## **12 Ecological information**

### 12.1 Toxicity

- No information available

### 12.2 Persistence and degradability

- No information available

### 12.3 Bioaccumulation Potential

- No information available

### 12.4 Mobility in soil

- No information available

### 12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
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## **12 Ecological information (....)**

### 12.6 Other Adverse Effects

- Not available

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## **13 Disposal considerations**

### 13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Dispose of contents/container to an authorised waste collection point

#### Classification

- EU Waste class: 16 05 06

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## **14 Transport information**

### 14.1 UN Number

- N/A

### 14.2 UN Proper Shipping Name

- N/A

### 14.3 Transport hazard class(es)

- N/A

### 14.4 Packing group

- N/A

### 14.5 Environmental hazards

- On available data, substance is not harmful to the environment

### 14.6 Special precautions for user

- Not classified as hazardous for transport

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

- Not applicable

#### Other information

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## **15 Regulatory information**

### 15.1 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.
- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations

### 15.2 Chemical Safety Assessment

None

## 16 Other information

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

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

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

For addresses of other Wilhelmsen Ships Service offices, please refer to [www.wilhelmsen.com/shipsservice](http://www.wilhelmsen.com/shipsservice)

Wilhelmsen Ships Service Level 1, 39 Park Street South Melbourne, Vic 3205 Australian Tel: +61 3 9630 0900  
Emergency 24hrs: +61 3 9630 0998

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