



SAFETY DATA SHEET

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

1.1 Product identifier

Product Name: TOTAL HARDNESS TITRATION PACK M204-3
Datasheet Number: 777052-Part3 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

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: Tablets, dark, red, miscible with water
 - Contact with eyes: May cause redness and irritation
 - Contact with skin: May cause redness and irritation
 - Inhalation: May cause 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
- IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- 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

- Smoke from fires is toxic

5.3 Advice for firefighters

- Wear chemical protection suit and positive-pressure breathing apparatus
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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
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6 Accidental release measures (....)

6.2 Environmental Precautions

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

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
- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask



Gloves



Goggles

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Odourless
 - Appearance: Tablets, dark, red, miscible with water
-

9 Physical and chemical properties (....)

- 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

- Incompatible with strong oxidizing substances

10.6 Hazardous Decomposition Products

- Decomposition products may include carbon dioxide
 - Decomposition products may include carbon oxides
 - Decomposition products may include sulphur oxides
 - Decomposition products may include nitrogen oxides
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11 Toxicological information

11.1 Information on toxicological effects

- No information available

Inhalation

- May cause irritation

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
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12 Ecological information (...)

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

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

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.
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15 Regulatory information (....)

- 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

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

For addresses of other Wilhelmsen Ships Service offices, please refer to www.wilhelmsen.com/shipsservice

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