
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: CHLORIDE TITRATION PACK M251
- Datasheet Number: 777056
- Product Part Number: 777056

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

The Netherlands
+31 4877 888
- Telephone: +31 4877 777
- Responsible Person: Product HSE Manager, Tel.: +31 10 4877775
- Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com

1.4 Emergency telephone number

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Aquatic Chronic 3

2.2 Label elements

- None
- Hazard phrases
Harmful to aquatic life with long lasting effects (H412).
- Precautionary Phrases
Avoid release to the environment (P273).
- Risk Phrases
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53)
- Safety Phrases
Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)

2.3 Other hazards

- Odour: Odourless
 - 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
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SECTION 3 Composition/information on ingredients

3.1 Mixtures

- Silver nitrate
Concentration: <1%
CAS Number: 7761-88-8
EC Number: 231-853-9
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SECTION 3 Composition/information on ingredients (....)

- R/H Phrases: R34, R50/53
Symbols: O, C, N
- CLP classification:
Ox Sol.2, Skin Corr. 18
Aquatic Chronic 1
Aquatic Acute 1
Concentration:
CAS Number:
EC Number:
R/H Phrases: H272, H324
H410, H400
Symbols: GHS02, GHS05
GHS09
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SECTION 4 First aid measures

4.1 Description of first aid measures

- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- 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 any immediate medical attention and special treatment needed

SECTION 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
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SECTION 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

6.3 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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SECTION 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 (P262).
- 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 (P234).

7.3 Specific end use(s)

- Restricted to professional users
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SECTION 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

8.3 Occupational exposure controls



Gloves



Goggles

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

SECTION 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 reducing agents

10.6 Hazardous Decomposition Products

- Decomposition products may include toxic and irritant fumes
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SECTION 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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SECTION 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

12.6 Other Adverse Effects

- Not available
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SECTION 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 (P501)

13.2 Classification

- EU Waste class: 16 05 06
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SECTION 14 Transport information

14.1 Environmental hazards

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

14.2 Special precautions for user

- When supplied as part of a kit: The kit may be transported under classification UN3316
CHEMICAL KIT

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

- Not applicable

14.4 UN

- Proper Shipping Name: N/A
 - UN No.: N/A
 - Hazard Class: N/A
 - Packing Group: N/A
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SECTION 14 Transport information (....)

14.5 Road/Rail (ADR/RID)

- Proper Shipping Name:
- ADR UN No.:
- ADR Hazard Class:
- ADR Packing Group:
- ADR subrisk:
- ADR Flashpoint:

14.6 Sea (IMDG)

- Proper Shipping Name:
- IMDG UN No.:
- IMDG Hazard Class:
- IMDG Pack Group.:
- IMDG EmS:
- IMDG subrisk:
- IMDG Flashpoint:

14.7 Air (ICAO/IATA)

- Proper Shipping Name:
- ICAO Un No.:
- ICAO Hazard Class:
- ICAO Packing Group:
- ICAO subrisk:
- ICAO Flashpoint:

14.8 DOT / CFR (US Department of Transportation)

- DOT Proper Shipping Name:
 - Hazardous Material:
 - Hazard Class:
 - Identification Number:
 - Product RQ (lbs):
 - DOT subrisk:
 - DOT Flashpoint:
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SECTION 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.
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- 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.

15.2 Chemical Safety Assessment

None

SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H272: May intensify fire; oxidiser. H400: Very toxic to aquatic life. R34: Causes burns. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 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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