

---

## SAFETY DATA SHEET

---

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

#### 1.1 Product identifier

- Product Name: CHEMETS OXYGEN TEST VIALS AND COMPARATOR
- Product Part Number: 777060

#### 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

##### Head Office:

Wilhelmsen Ships Service AS  
Strandveien 20, N1324 Lysaker,  
Norway Tel: (47) 6349 440 35

##### Supplier:

Wilhelmsen Ships Service AS  
Willem Barentszstraat 50  
3165AB Rotterdam  
Telephone: +31 4877 777  
Fax: +31 4877 888  
The Netherlands

Other suppliers SEE SECTION 16!!!

For quotations contact your local Customer Services

- 
- Responsible Person: Product HSE Manager
- Telephone: +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 7793777Australia: +61 3 9630 0998

Giftinformasjonsentralen in Norway Tel.: +47 22591300

Wilhelmsen Ships Service Melbourne AUSTRALIA Emergency 24hrs: +61 3 9630 0998

**\*\*FOR QUOTATIONS PLEASE CONTACT YOUR LOCAL CUSTOMER SERVICES\*\***

---

### SECTION 2 Hazards identification

#### 2.1 Classification of the substance or mixture

- Refer to current The Dangerous Substances Directive (67/548/EEC)
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Symbols: Xn
- Harmful if swallowed (R22)
- 
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Signal Word: Warning
- Symbols: GHS07

## SECTION 2 Hazards identification (....)

- Acute Tox. 4

### 2.2 Label elements



GHS: exclamation mark

- Signal Word: Warning
- Contains:
  - 2,2'-OXYBISETHANOL
- Hazard phrases
  - Harmful if swallowed (H302).
- Precautionary Phrases
  - Wash hands and working surfaces thoroughly after handling (P264).
  - Wear protective gloves/protective clothing/eye protection/face protection (P280).
  - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).

### 2.3 Other hazards

- Odour: Odourless
- Appearance: Liquid, pale yellow, miscible with water
- Contact with eyes: May cause redness and irritation
- Contact with skin: May cause redness and irritation
- Ingestion: May cause nausea/vomiting, May cause irritation, May cause pain
- Not a PBT according to REACH Annex XIII

## SECTION 3 Composition/information on ingredients

### 3.1 Mixtures

- 2,2'-oxybisethanol; diethylene glycol
  - Concentration: 20-40%
  - CAS Number: 111-46-6
  - EC Number: 203-872-2
  - Symbols: GHS07, Xn
  - R/H Phrases: H302, R22
  - Categories: Acute Tox. 4 \*

## 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).
- Give plenty of water to drink
- Never make an unconscious person vomit or drink fluids
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
- 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
- The ingestion of significant quantities may cause pain

## **SECTION 4 First aid measures (....)**

- 4.3 Indication of any immediate medical attention and special treatment needed
- No information available
- 

## **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
- See Section 10
  - Decomposition products may include carbon dioxide
- 5.3 Advice for firefighters
- Wear chemical protection suit and positive-pressure breathing apparatus
- 

## **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
- Avoid release to the environment (P273).
  - 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 appropriate container
  - Remove contaminated material to safe location for subsequent disposal
  - Ventilate the area and wash spill site after material pick-up is complete
- 6.4 Reference to other sections
- None
- 

## **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).
  - Avoid breathing dust/fume/gas/mist/vapours/spray (P261).
- 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
- 

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

- 8.1 Control parameters
- 2,2'-OXYBISETHANOL  
TLV (TWA) 101 mg/m3 ( )
- 8.2 Exposure controls
- Ensure adequate ventilation
-

## SECTION 8 Exposure controls/personal protection (....)

### 8.3 Occupational exposure controls



Gloves



Goggles

- Wear neoprene or nitrile gloves
- Wear goggles giving complete eye protection
- Penetration time of glove material:  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

---

## SECTION 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: Liquid, pale yellow
- pH 11,5
- Boiling point 150 °C
- Melting point -5 °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 Possibility of hazardous reactions

- This article is considered stable under normal conditions

### 10.3 Incompatible materials

- Incompatible with acid

### 10.4 Conditions to avoid

- Keep away from heat and light

### 10.5 Hazardous Decomposition Products

- Decomposition products may include carbon dioxide
- 

## SECTION 11 Toxicological information

### 11.1 Information on toxicological effects

- No experimental data available

### 11.2 Contact with eyes

- May cause redness and irritation

### 11.3 Contact with skin

- May cause redness and irritation

### 11.4 Ingestion

- May cause nausea/vomiting
- The ingestion of significant quantities may cause pain

### 11.5 Inhalation

- May cause shortness of breath
- May cause coughing

## **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

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

## **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
- 

## **SECTION 14 Transport information**

Not classified as hazardous for transport

### 14.1 UN

- UN No.: Not applicable
- Proper Shipping Name: Not applicable
- Hazard Class: Not applicable
- Packing Group: Not applicable

### 14.2 Environmental hazards

- Not Classified

### 14.3 Special precautions for user

- Not Classified

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

- Not applicable

### 14.5 Road/Rail (ADR/RID)

- ADR UN No.: Not applicable
- Proper Shipping Name: Not applicable
- ADR Hazard Class: Not applicable
- ADR subrisk: Not applicable
- ADR Packing Group: Not applicable

### 14.6 Sea (IMDG)

- IMDG UN No.: Not applicable
  - Proper Shipping Name: Not applicable
  - IMDG Hazard Class: Not applicable
  - IMDG subrisk: Not applicable
  - IMDG Pack Group.: Not applicable
  - IMDG EmS: Not applicable
-

## **SECTION 14 Transport information (....)**

### 14.7 Air (ICAO/IATA)

- ICAO Un No.: Not applicable
- ICAO Packing Group: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO subrisk: Not applicable
- ICAO Packing Group: Not applicable

### 14.8 DOT / CFR (US Department of Transportation)

- Identification Number: Not applicable
  - DOT Proper Shipping Name: Not applicable
  - DOT Labels: Not applicable
  - Product RQ (lbs): Not applicable
- 

## **SECTION 15 Regulatory information**

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Refer to The Dangerous Substances Directive (67/548/EEC)
- Classification according to Regulation (EC) No 1272/2008
- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.

### 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:- H302: Harmful if swallowed. R22: Harmful if swallowed.

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

## **SECTION 16 Other information (....)**

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**

Wilhelmsen Ships Service Level 17, 636 St Kilda Road Melbourne Vic 3004 AUSTRALIA  
Tel: +61 3 9630 0900 Emergency 24hrs: +61 3 9630 0998

Wilhelmsen Ships Service INC 210 Edgewater Street US-10305 Staten Island New York United States  
Telephone daytime: (+1) 718 815 1310 Fax: (+1) 718 233 3268

Wilhelmsen Ships Service INC 2200 W. Pacific Coast Highway US-90810 Long Beach California,  
United States Tel (+1) 562 624 8888 Fax (+1) 562 624 1011

Wilhelmsen Ships Service INC 701 Ashland Ave. Ashland Center Two, Bay 12 US- 19032 Folcroft  
Pennsylvania United States Tel (+1) 610 586 7801 Fax (+1) 215 701 0646

Wilhelmsen Ships Service INC. 9400 New Century Drive US-77507 Pasadena Texas United States  
Telephone daytime: (+1) 281 867 2000 Fax: (+1) 281 867 2800

Wilhelmsen Ships Service Ltd. Unit 3A NewtonsCourt Crossways DA2 6QL Dartford, Kent United  
Kingdom Tel (+44) 1322 282 412 Fax (+44) 1322 284 774

Wilhelmsen Ships Service Ltda Rua Bispo Lacerda nos.61/67 Del Catilho BR 21051120 Rio de Janeiro  
Brazil Tel (+55) 21 25 82 8000 Fax (+55) 21 25 82 8001

Wilhelmsen Ships Service (S) Pte Ltd 186 Pandan Loop Singapore 128376 Tel (+65) 6395 4545

Wilhelmsen Ships Service Co., Ltd 12-31 Torihama-cho Kanazawa-ku Yokohama-shi JP-236 0002,  
Japan Tel (+81) 45 775 0012 Fax (+81) 45 775 0070

Wilhelmsen Ships Service Hellas SA 100, D. Moutsopoulou & Serifou str GR-185 41 Piraeus Greece  
Tel (+ 30) 210 4239100 Fax (+ 30) 210 4212480

Wilhelmsen Ships Service AS U.A.E . Fl 24 Executive Heights, Tecom C Sheikh Zayed Road (East)  
Dubai United Arab Emirates Tel (+971) 4 382 3888

Wilhelmsen Ships Service AS, Willem Barentszstraat 50 3165 AB Rotterdam-Albrandswaard,  
the Netherlands. Tel (+31) 10 4877 777

