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**SAFETY DATA SHEET**

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**SECTION 1 Identification of the substance or preparation and of the company/undertaking****1.1 Product identifier**

- Product Name: CAT SULPHITE L (CSL)
- Product Part Number: 575662 (25 liter)

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

- Use of the substance/preparation:
- Boiler water treatment

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

Name of Supplier:

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**

Emergency Telephone: -ONLY TO BE USED IN CASE OF AN INCIDENTNCEC:+

44 1865 407333, CHEMTREC (800) 424 9300

American Chemistry Council +1 703 527 3887,

Greece +30 210 7793777Australia: +61 3 9630 0998

Giftinformasjonssentralen 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**

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Refer to current The Dangerous Substances Directive (67/548/EEC)
- Symbols: T
- May cause cancer by inhalation (R49)
- Harmful if swallowed (R22)
- Contact with acids liberates toxic gas (R31)
- 
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations

**SECTION 2 Hazards identification (....)**

- Symbols: GHS08
- Signal Word: Danger
- Acute Tox. 4
- Harmful if swallowed (H302).
- May cause cancer by inhalation (H350i).
- 

**2.2 Label elements**

- Signal Word: Danger
- Acute Tox. 4
- 
- Contains:
- sodium hydrogensulphite . . . %
- cobalt sulphate
- 
- Hazard phrases
- Harmful if swallowed (H302).
- May cause cancer by inhalation (H350i).
- Precautionary Phrases
- Wash hands and working surfaces thoroughly after handling (P264).
- Do not eat, drink or smoke when using this product (P270).
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell (P301+P312).
- Rinse mouth (P330).
- Dispose of contents/container to an authorised waste collection point (P501)

**2.3 Other hazards**

- Odour: Pungent odour, Strong smell of sulphur
- Appearance: Liquid, pink, soluble in water

**SECTION 3 Composition/information on ingredients****3.1 Mixtures**

- sodium hydrogensulphite . . . %  
Concentration: 30-60%  
CAS Number: 7631-90-5  
EC Number: 231-548-0  
Symbols: Xn, GHS07  
R/H Phrases: R22, R31 - H302  
Categories: Acute Tox. 4  
REACH REG. NO: 01-21195245 63-42-xxxx
- cobalt sulphate  
Concentration: 0.01-0.25%  
CAS Number: 10124-43-3  
EC Number: 233-334-2  
Symbols: T, N - GHS07, GHS09, GHS08  
R/H Phrases: R49, R22, R42/43, R50/53,  
- H302, H317, H334, H341, H350, H360, H400, H410  
Categories: Acute Tox. 4, Skin Sens. 1, Resp. Sens. 1, Muta. 2, Carc. 1B, Repr. 1B,  
Aquatic Acute 1, Aquatic Chronic 1

**SECTION 4 First aid measures**

## 4.1 Description of first aid measures

- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower (P303+P361+P353).
- Contaminated clothing should be laundered before reuse
- 
- 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).
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).
- 
- 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
- Can cause damage to the intestines

4.3 Indication of any immediate medical attention and special treatment needed

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**SECTION 5 Fire-fighting measures**

## 5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- Keep container(s) exposed to fire cool, by spraying with water

## 5.2 Special hazards arising from the substance or mixture

- In case of fire: (P370)
- Carbon dioxide may be formed
- Carbon oxides may be formed
- Sulphur oxides may be formed

## 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

## 6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses

## 6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up
- Flush spill area with copious amounts of water

## 6.4 Reference to other sections

- See Section 13
- 

**SECTION 7 Handling and storage**

**SECTION 7 Handling and storage (....)**

## 7.1 Precautions for safe handling

- Wear protective clothing as per section 8
- Do not get in eyes, on skin, or on clothing (P262).
- Eyewash bottles should be available

## 7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed (P403+P233).
- Store in a dry place (P402).
- Protect from frost

## 7.3 Specific end use(s)

- Contact supplier for further information
- 

**SECTION 8 Exposure controls/personal protection**

## 8.1 Control parameters

- TLV (TWA) 5 mg/m<sup>3</sup> (Sodium bisulphite)

## 8.2 Exposure controls

- The undiluted product must not be used in a confined space without good ventilation

## 8.3 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
  - Gas cartridge ( sulphur dioxide). ).
- 

**SECTION 9 Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

- Odour: Pungent odour, Strong smell of sulphur
- Appearance: Liquid, pink, soluble in water
- pH 3,5-5,0
- Boiling point 100 °C to 760 °C
- Vapour pressure - not known
- Completely soluble in water
- Density 1,31 g/cm<sup>3</sup> at 20 deg C

## 9.2 Other information

- None
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**SECTION 10 Stability and reactivity**

## 10.1 Reactivity

- This article is considered stable under normal conditions

## 10.2 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

## 10.3 Incompatible materials

- Incompatible with acid
  - Incompatible with oxidizing substances
  - Incompatible with organic peroxides
-

**SECTION 10 Stability and reactivity (....)**

## 10.4 Conditions to avoid

- Avoid overheating

## 10.5 Hazardous Decomposition Products

- Decomposition products may include sulphur oxides
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**SECTION 11 Toxicological information**

## 11.1 Information on toxicological effects

- LD50 (oral,rat) (Sodium hydrogen sulphite) 1250 mg/kg

## 11.2 Contact with eyes

- Causes redness and irritation

## 11.3 Contact with skin

- Causes irritation

## 11.4 Ingestion

- Can cause damage to the intestines

## 11.5 Inhalation

- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- 

**SECTION 12 Ecological information**

## 12.1 Toxicity

- LC50 (fish) (Sodium hydrogen sulphite) 316 mg/l (96 hr)
- LC50 (Daphnia magna) (Sodium hydrogensulphite) 89 mg/l (48 hr)
- The environmental hazard of the product is considered to be limited. Cobalt is concentrated by animal and aquatic organisms. Low concentrations of cobalt (upto 30 ppm) may have adverse effects on activated sewage sludge systems.

## 12.2 Persistence and degradability

- Biodegradable

## 12.3 Bioaccumulation Potential

- Cobalt is known to bioaccumulate.

## 12.4 Mobility in soil

- Completely soluble in water

## 12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

## 12.6 Other Adverse Effects

- No information available
- 

**SECTION 13 Disposal considerations**

## 13.1 Waste treatment methods

- 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

## 13.2 Classification

- This material and/or its container must be disposed of as hazardous waste
  - EU Waste class: 06.03
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**SECTION 14 Transport information**

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**SECTION 14 Transport information (....)****14.1 UN**

- UN No.: UN2693
- Proper Shipping Name: Bisulfites, aqueous solution, n.o.s. (sodium bisulfite)
- Hazard Class: 8
- Packing Group: III

**14.2 Environmental hazards**

- Presents little or no hazard to the environment

**14.3 Special precautions for user**

- No special precautions are required for this product

**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.: UN2693
- Proper Shipping Name: Bisulfites, aqueous solution, n.o.s. (sodium bisulfite)
- ADR Hazard Class: 8
- ADR subrisk: n/a
- ADR Packing Group: III
- ADR Flashpoint: n/a

**14.6 Sea (IMDG)**

- IMDG UN No.: UN2693
- Proper Shipping Name: Bisulfites, aqueous solution, n.o.s. (sodium bisulfite)
- IMDG Hazard Class: 8
- IMDG subrisk: n/a
- IMDG Pack Group.: III
- IMDG EmS: F-A, S-B
- IMDG Flashpoint: n/a

**14.7 Air (ICAO/IATA)**

- ICAO Un No.: UN2693
- Proper Shipping Name: Bisulfites, aqueous solution, n.o.s. (sodium bisulfite)
- ICAO Packing Group: III
- ICAO Hazard Class: 8
- ICAO subrisk: n/a
- ICAO Flashpoint: n/a

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

- Identification Number: UN2693
- DOT Proper Shipping Name: Bisulfites, aqueous solution, n.o.s. (sodium bisulfite)
- DOT Labels:
- Product RQ (lbs): 7700
- Hazardous Material: sodium bisulfite
- Hazard Class: 8
- DOT subrisk: n/a
- DOT Flashpoint: n/a

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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.

**SECTION 15 Regulatory information (....)**

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Refer to The Dangerous Substances Directive (67/548/EEC)
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Norwegian Productregistration no: 17130

**15.2 Chemical Safety Assessment**

- None
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**SECTION 16 Other information**

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H302: Harmful if swallowed. H317: May cause an allergic skin reaction. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. H341: Suspected of causing genetic defects. H350: May cause cancer. H360: May damage fertility or the unborn child. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. R22: Harmful if swallowed. R31: Contact with acids liberates toxic gas. R42/43: May cause sensitisation by inhalation and skin contact. R49: May cause cancer by inhalation. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

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**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**

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Tel: +61 3 9630 0900 Emergency 24hrs: +61 3 9630 0998

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Telephone daytime: (+1) 718 815 1310 Fax: (+1) 718 233 3268

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