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**SAFETY DATA SHEET**

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This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010

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**SECTION 1 Identification of the substance/mixture and of the company/undertaking**

## 1.1 Product identifier

- Product Name: ZINC COAT
- Product Part Number: 575480

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

- Use of the substance/mixture: Flame spraying powder

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

- Name of Supplier: Wilhelmsen Ships Service AS
- Address of Supplier: Willem Barentszstraat 50, 3165AB Rotterdam, The Netherlands
- Telephone: +31 4877 777 Fax: +31 4877 888
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- Head office: Wilhelmsen Ships Service AS
- Strandveien 20, N1324 Lysaker
- Norway, Tel: (47) 6349 440 35
- 
- Other suppliers SEE SECTION 16!!!
- For quotations contact your local Customer Services
- 
- Responsible Person: Product HSE Manager,
- Email: Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com
- Telephone: Tel.: +31 10 4877775

## 1.4 Emergency telephone number

- \*\*\*\*ONLY TO BE USED IN CASE OF AN INCIDENT\*\*\*\*
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- International 24hrs Emergency NCEC:+ 44 1865 407333
- American Chemistry Council 24hrs +1 703 527 3887
- American 24hrs Emergency CHEMTREC (800) 424 9300
- Greece: Poisoning emergency center, +30 210 7793777
- Norway: Poison information centre, +47 22591300
- Sweden: Poison information centre, +46 08 33 12 31
- China NRCC 24hrs emergency telephone number: +86-0532-8388 9090
- Wilhelmsen Ships Service, Melbourne, AUSTRALIA Emergency 24hrs: +61 3 9630 0998

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**SECTION 2 Hazards identification**

## 2.1 Classification of the substance or mixture

- Not classified as hazardous for users

## 2.2 Label elements

- Not applicable
- Hazard phrases  
Not applicable
- Precautionary Phrases

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

Not applicable

**2.3 Other hazards**

- Not a PBT according to REACH Annex XIII
- Appearance: powder, grey, insoluble in water
- Odour: Odourless
- Contact with skin: May cause redness and irritation
- Contact with eyes: In cases of severe exposure, irritation may develop
- Inhalation of fumes formed during welding and or cutting may be harmful.

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

- zinc powder - zinc dust (stabilised)
  - Concentration: >60%
  - CAS Number: 7440-66-6
  - EC Number: 231-175-3
  - R/H Phrases: H400,H410, R50/53
  - Symbols: GHS09, N
  - Categories: Aquatic Acute 1 Aquatic Chronic 1
- Non-classified ingredients
  - Concentration: <40%
  - CAS Number: Not applicable
  - EC Number: Not applicable
  - R/H Phrases: Not applicable
  - Symbols: Not applicable
  - Categories: Not applicable

**SECTION 4 First aid measures****4.1 Description of first aid measures**

- Contact with skin:
  - Wash with plenty of soap and water.
  - When in doubt or symptoms persist, seek medical attention
  - Contaminated clothing should be laundered before reuse
- Contact with eyes:
  - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - If eye irritation persists: Get medical advice/attention.
- Ingestion:
  - Rinse mouth with water (do not swallow)
  - Do NOT induce vomiting.
  - Never give anything by mouth to an unconscious person
- Inhalation:
  - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
  - When in doubt or symptoms persist, seek medical attention

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

## 4.2 Most important symptoms and effects, both acute and delayed

- Looking into the welding / brazing flame with incorrect or insufficient eye protection may cause arc-eye.
- Inhalation of fumes formed during welding and or cutting may be harmful.
- Burned skin must be flushed with large amounts of cold water.
- Burns must be treated by a physician.

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

- No information available
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**SECTION 5 Fire-fighting measures**

## 5.1 Extinguishing media

- In case of fire use dry agent
- In case of fire use foam or alcohol resistant foam

## 5.2 Special hazards arising from the substance or mixture

- Smoke from fires is irritating

## 5.3 Advice for firefighters

- Wear 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

## 6.2 Environmental Precautions

- Do not flush spilt material into any public water system

## 6.3 Methods and material for containment and cleaning up

- Use vacuum cleaner to collect spilled material
- To clean the floor and all objects contaminated by this material use water

## 6.4 Reference to other sections

- See Section 13
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**SECTION 7 Handling and storage**

## 7.1 Precautions for safe handling

- No special precautions are required for this product

## 7.2 Conditions for safe storage, including any incompatibilities

- No special precautions are required for this product

## 7.3 Specific end use(s)

- Contact supplier for further information
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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

- If practicable, engineering controls should be provided where airborne concentrations exceed exposure limits

## 8.3 Occupational exposure controls

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

- Respiratory protection may be required under exceptional circumstances when excessive air contamination exists
- Wear suitable protective clothing, including eye/face protection and gloves (leather are recommended)

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**SECTION 9 Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: powder, grey, insoluble in water
- pH - not applicable
- Boiling point ~ 900 °C
- Melting point ~ 420 °C to 760 °C
- Water solubility <1 g/l
- Density 7000 kg/m<sup>3</sup>

## 9.2 Other information

- No information available

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**SECTION 10 Stability and reactivity**

## 10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

## 10.2 Chemical stability

- 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 and sources of ignition

## 10.5 Incompatible materials

- Incompatible with strong oxidizing substances
- Incompatible with acid

## 10.6 Hazardous Decomposition Products

- Decomposition products may include ZnOx

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**SECTION 11 Toxicological information**

## 11.1 Information on toxicological effects

- No experimental data available

## 11.2 Contact with eyes

- May cause irritation

## 11.3 Contact with skin

- In cases of severe exposure, redness and irritation may develop

## 11.4 Ingestion

- Not regarded as a potential route of exposure.
- May cause gastro-intestinal disturbances

## 11.5 Inhalation

**SECTION 11 Toxicological information (....)**

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- May cause irritation
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**SECTION 12 Ecological information**

## 12.1 Toxicity

- This product contains components which are classified in the EU as dangerous for the environment.
- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

## 12.2 Persistence and degradability

- No information available

## 12.3 Bioaccumulation Potential

- Bioaccumulation is significant

## 12.4 Mobility in soil

- Sinks in water

## 12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

## 12.6 Other Adverse Effects

- No environmental problems are expected when the product is used / handled correctly.
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**SECTION 13 Disposal considerations**

## 13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation

## 13.2 Classification

- EU Waste class: -
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**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

Not classified as hazardous for transport

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

- 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 Pack Group.: Not applicable
- IMDG EmS: Not applicable

## 14.7 Air (ICAO/IATA)

- ICAO UN No.: Not applicable
- Proper Shipping Name: Not applicable
- ICAO Hazard Class: 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
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**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 current The Dangerous Substances Directive (67/548/EEC)
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010

## 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:- H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

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

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  
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