

Infosafe No™ 1CH7E Issue Date : December 2020 RE-ISSUED by CHEMSUPP

Product Name **ZINC (FOIL, GRANULES, SHOT and SHEET)**

Not classified as hazardous

1. Identification

GHS Product Identifier ZINC (FOIL, GRANULES, SHOT and SHEET)

Company Name CHEMSUPPLY AUSTRALIA PTY LTD (ABN 19 008 264 211)

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SA 5013 Australia

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E-mail Address www.chemsupply.com.au

Recommended use of the chemical and restrictions on use Laboratory reagent, chemical production, fungicides, cable wrappings, auto parts, engravers' plates, electroplating and electrical fuses.

| Other Names | <u>Name</u> | <u>Product Code</u> |
|-------------|---|---------------------|
| | ZINC Sheet TG | ZT006 |
| | ZINC Granules TG | ZT007 |
| | ZINC Granules LR | ZL007 |
| | ZINC Granules TG Particle size less than 10mm | ZT035 |

Other Information

ChemSupply Australia Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon ChemSupply Australia Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of ChemSupply Australia Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture Not classified as hazardous according to the Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004) 3rd Edition, Safe Work Australia.
Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

3. Composition/information on ingredients

| Ingredients | <u>Name</u> | <u>CAS</u> | <u>Proportion</u> |
|-------------|-------------|------------|-------------------|
| | Zinc | 7440-66-6 | 100 % |

4. First-aid measures

Inhalation Not applicable.

Ingestion Rinse mouth thoroughly with water immediately. Give plenty of water to drink. If a large object has been swallowed, seek medical assistance.

Skin Remove contaminated clothing and wash affected skin with soap and water. If persistent irritation occurs, obtain medical attention.

Eye contact Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical advice if effects persist.

First Aid Facilities Maintain eyewash fountain and safety shower in work area.

Advice to Doctor Treat symptomatically based on judgement of doctor and individual reactions of the patient.

Other Information For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126;

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New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

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| Hazards from Combustion Products | May liberate toxic fumes in fire include zinc oxides. |
| Specific Methods | Do NOT use chlorinated hydrocarbon type extinguishers. Use measures suitable for extinguishing surrounding fire. |
| Specific hazards arising from the chemical | Material does not burn. Slight fire hazard if in the form of dust rather than granules or foil. Fire or heat will produce irritating, poisonous and/or corrosive gases. |
| Precautions in connection with Fire | Use suitable protective equipment for surrounding fire. |

6. Accidental release measures

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| Spills & Disposal | Wrap so that no sharp edges are exposed and dispose to normal waste. |
| Personal Protection | Wear protective clothing specified for normal operations (see Section 8) |

7. Handling and storage

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| Conditions for safe storage, including any incompatibilities | Keep container tightly closed and dry |
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8. Exposure controls/personal protection

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| Other Exposure Information | No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m ³ . All atmospheric contamination should be kept to as low a level as is workable. These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity. The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. |
| Appropriate engineering controls | Natural ventilation should be adequate under normal conditions of use. When there is large-scale use of this material (eg. bagging operation), engineering control methods to reduce exposures may be necessary. Local exhaust ventilation is recommended. |
| Respiratory Protection | Usually is not required. Where protection is required from nuisance levels of dust or mists select respiratory protection that complies with AS 1716 - Respiratory Protective Devices and select in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. |
| Eye Protection | The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336. |
| Hand Protection | Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments. |
| Personal Protective Equipment | Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards. |
| Footwear | Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, |

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Body Protection care and use.
Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Hygiene Measures Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

Form Solid

Appearance White metal with blueish-gray lustre.

Odour Odourless.

Melting Point 419 °C

Boiling Point 907 °C

Solubility in Water Insoluble.

Specific Gravity 7.14

Vapour Pressure 1 mm @ 487 °C

Flammability Non combustible material.

Molecular Weight 65.38

Other Information Strongly electropositive. Malleable at 100 - 150 °C.

10. Stability and reactivity

Chemical Stability Stable under normal use conditons.

Conditions to Avoid Zinc powder: The presence of moisture can result in spontaneous combustion. Danger of dust explosion.

Incompatible Materials Strong acids, strong alkalis, alkali hydroxides, halogen-halogen compounds, water, halogens, sulfur, hydrazine and derivatives, ammonium compounds, chlorides, chlorates, oxides, nitrates, fluorine, carbon disulfide and various metals.

Hazardous Decomposition Products Zinc/zinc oxides, zinc oxide fumes.

Possibility of hazardous reactions Metals in contact with acids give off hydrogen gas which may explode in a fire.
Spontaneous chemical reactions reported with Ammonium Nitrate, Barium Oxide, Barium Nitrate, Cadmium, Carbon disulphide, Chlorates, Chloride, Chromium Trioxide, Chloro trifluoride, Manganese chloride, Nitric acid, Performic acid, Potassium chlorate, Potassium peroxide, Sodium chlorate, Sodium peroxide, Sulfur, Tellurium, Water, Fluorine, Hydrazine mono nitrate, Hydroxylamine, Lead trinitrate and the following mixtures: Ethyl acetoacetate with tribromoneopentyl alcohol, Magnesium and barium nitrate with barium oxide.

Hazardous Polymerization Will not occur.

11. Toxicological Information

Ingestion After absorption may experience fever, muscular symptoms, pain, cardiovascular disorders, nausea, and vomiting.

Inhalation The foil or granules should not be harmful unless they are converted to dust or powder or unless they are reacted to form metallic salts and heated to produce fumes upon decomposition. Inhalation of zinc dusts or fume may cause metal fume fever, which is characterised by irritation, chills, fever, tightness of chest and coughing.

Skin May cause skin irritation.

Eye May cause eye irritation.

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| Respiratory sensitisation | Not classified based on available information. |
| Skin Sensitisation | Not classified based on available information. |
| Carcinogenicity | Not classified based on available information. |
| Reproductive Toxicity | Not classified based on available information. |
| STOT-repeated exposure | Not classified based on available information. |
| Aspiration Hazard | Not classified based on available information. |
| Mutagenicity | Not classified based on available information. |

12. Ecological information

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| Ecological Information | Due to the poor solubility of the product, no harmful effects on plants and/or aquatic organisms are to be expected when handled and used with due care and attention. |
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13. Disposal considerations

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| Disposal Considerations | Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations. |
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14. Transport information

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| Transport Information | Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. |
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15. Regulatory information

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| Regulatory Information | All of the significant ingredients in this formulation are compliant with Australian Industrial Chemicals Introduction Scheme (AICIS) regulations. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals. |
| Poisons Schedule | Not Scheduled |

16. Other Information

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| Literature References | 'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia. National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'. Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals'. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand. Safe Work Australia, 'Hazardous Chemical Information System'. Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'. Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'. |
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| Contact Person/Point | Paul McCarthy Ph. (08) 8440 2000 DISCLAIMER STATEMENT: All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. ChemSupply Australia Pty Ltd accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives. |
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| Empirical Formula & Structural Formula | Zn |
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