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| <b>DCM TRADING, Unit 1, 9 Steel St, Capalaba, QLD Australia, 4157</b> |  |
| Tel. for Information: (07) 3245 2355<br>Last Updated: March 2011      | Fax for Information: (07) 3245 2499<br>Page 1 of 3 |
| <b>Material Safety Data Sheet</b>                                     | <b>DCM SILVA N ZINC Aerosol</b>                    |

## Classified as hazardous according to criteria of NOHSC.

### 1. Chemical Product / Company Identification

**Product Name:** **Silva N Zinc**  
**Product Type:** Zinc Rich Coating  
**Product Size:** 400g Aerosol Part No. D1005  
**Proper Shipping Name:** Aerosol      UN No.: 1950      DG Class: 2.1  
**Sub Risk:** Nil      Hazchem Code: 3[Y]E      Poisons Schedule: S5  
**Product Use:** A zinc rich coating for the protection of iron and steel against rust and corrosion, applied by aerosol spray.  
**Company Details:** DCM Trading P/L 1/9 Steel St Capalaba QLD Australia 4157  
Phone: 07 3245 2307      Fax: 07 3245 2499

### 2. Hazards Identification

|                       |   |
|-----------------------|---|
| <b>Risk Phases</b>    | <b>Xn R20</b> Harmful by inhalation<br><b>R10</b> Flammable<br><b>R36</b> Irritating to eyes<br><b>R37</b> Irritating to respiratory system<br><b>R38</b> Irritating to skin<br><b>R66</b> Repeated exposures may cause skin dryness and cracking<br><b>R67</b> Vapours may cause drowsiness and dizziness<br><b>S48</b> Risk of serious damage to health by prolonged exposure   |
| <b>Safety Phrases</b> | <b>S2</b> Keep out of the reach of children<br><b>S14</b> Keep away from oxidisers<br><b>S23</b> Do not breathe vapours<br><b>S24</b> Avoid contact with skin<br><b>S25</b> Avoid contact with eyes<br><b>S26</b> In case of contact with eyes, rinse immediately with plenty of water and seek medical advice<br><b>S28</b> After contact with skin, wash immediately with plenty of soap-suds<br><b>S33</b> Take precautionary measures against static discharges<br><b>S35</b> This material and its container must be disposed of in a safe way<br><b>S61</b> Avoid release to the environment. |

### 3. Composition and Information on Chemical Ingredients

| Chemical Entity   | CAS No.     | Proportion % |
|-------------------|-------------|--------------|
| Dimethyl Ether    | 115-10-6    | 30-60        |
| Zinc Dust         | 7440-66-6   | 30-60        |
| Xylene            | 1330-20-7   | 10-30        |
| Fumed Silica      | 112945-52-5 | <10          |
| Epoxy ester resin | n.d.        | <10          |
| Aluminium         | 7429-90-5   | <10          |
| Ammonia Solution  | 13136-21-6  | <10          |

### 4. First Aid Measures

**Swallowed** Do not induce vomiting. Give water to rinse mouth. Give two 300ml glasses of water to drink. If patient starts to vomit involuntarily encourage to sit up and lean forward from the hips. Seek urgent medical assistance if more than 100ml was swallowed or if symptoms persist.

**Eye** Immediately: Hold eyelids open and flush eyes with clean water for at least 15 minutes. While flushing, gently lift upper and lower eyelids away from eyes and ensure both are thoroughly flushed. If symptoms persist seek prompt medical assistance.

**Skin** Immediately remove all contaminated clothing, including footwear, after wetting with water if available. Wash affected areas thoroughly with water, and soap if available. Rinse well and pat dry. Seek medical assistance promptly if symptoms persist.

**Inhaled** Remove to fresh air, lay down, rest. If not breathing, apply resuscitation. Keep patient warm. Seek urgent medical advice unless recovery is almost immediate.

**Advice to Doctor** Provide supportive care and treatment based on the patient's reaction to the exposure. For further information, contact with Poisons Information Centre.

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## 5. Fire Fighting Measures

(See Section 9 Physical and Chemical Properties for Autoignition temp)

### Suitable Extinguishing Media

Foam, dry agents or water delivered as fog or fine spray if foam not available.

### Precautions for Fire Fighters and Special Equipment

Wear SCBA and full turn out clothing. Avoid bodily contact with substance or run-off. Be aware of potential "mini bleves" if aerosol cans are affected by fire.

## 6. Accidental Release Measures

Switch off or remove all potential sources of ignition. Prevent cans entering drains or waterways. Wear full protective clothing and respirator during the clean-up. If pool of contents forms, cover with sand, soil, or other inert absorbents. Shovel saturated absorbent into plastic pails or drums. Seal lids, label and place in a safe area, away from Class 5 goods and ignition sources, to await disposal. Collect serviceable cans and return to store. Place damaged cans in a recovery drum for disposal or return to supplier. Thoroughly ventilate work area before re-entry. Review federal, state and local government requirements prior to disposal. See section 13 for disposal considerations.

## 7. Safe Handling Information

### Handling:

-Wear suitable clothing and equipment

-Keep away from oxidisers and sources of ignition

### Storage:

-Store in accordance with As 3833-98 and local regulations

-Keep away from Class 5 goods.

-In the home, store in a cool room out of direct sunlight

-Keep away from pool chlorine or other goods displaying the yellow dangerous goods diamonds

-Keep away from sources of ignition

## 8. Exposure Control and Personal Protection

The NOHSC has established exposure standards for three of the components but not for the finished product: (NB Zinc Dust, aluminium and fumed silica are "locked in" to the product and are not available except in very minor proportion as dust during use.

### Exposure Limits

| Name                           | TWA                   | STEL                  |
|--------------------------------|-----------------------|-----------------------|
| Fumed silica (respirable dust) | 2 mg/m <sup>3</sup>   | n.all.                |
| Zinc Oxide (dusts)             | 10 mg/m <sup>3</sup>  | n.all.                |
| Dimethyl Ether                 | 760 mg/m <sup>3</sup> | 950 mg/m <sup>3</sup> |

### Engineering Controls

Provide adequate, intrinsically safe ventilation/mechanical ventilation to ensure workplace air quality meets the exposure standards recommended. For use in the home: open all windows in the room where product is used. Care should be exercised if electric fans are used because of the flammable nature of the product. No smoking while product is in use.

### Personal Protection

#### Respirator Type

Not usually required. If working in an enclosed space where exposure standards may be exceeded, use organic vapour filter respirator to AS 1715 & 1716. Use SCBA in confined spaces.

#### Eye Protection

Use safety glasses with side shields or goggles to AS 1337.

#### Glove Type

When applying, wear neoprene, nitrile or butyl rubber gloves to AS2161.

#### Clothing

Wear Tyvec or cotton coveralls fastened at the neck and wrists. Supplement with PVA apron if required.

### Flammability

#### Fire Hazards

Liquid and vapour flammable. Vapour may travel considerable distances to a source of ignition and flash back to the point of origin. Fire may produce irritating or poisonous gases. Heat may cause violent rupture of containers which may propel cans several meters while burning, potentially spreading a fire. When thermally decomposing, product emits Co<sub>x</sub>, No<sub>x</sub> and trace amounts of other toxic gases.

## 9. Physical and Chemical Properties

### Appearance:

Silver-grey coloured liquid in aerosol can

### Odour:

Typical hydrocarbon solvent odour

### Boiling Point:

-24.8°C (dimethylether propellant)

### Vapour Pressure:

4450mm Hg @ 20°C (dimethylether propellant)

### Flash Point:

-4°C (dimethylether propellant)

### Freezing/Melting Point:

-141.5°C (dimethylether propellant)

### Flammability Limits:

3.4% to 26.7% in air (v/v) (dimethylether propellant)

### Density:

1.1

### Solubility in Water:

Insoluble

### Autoignition Temp:

350°C (dimethylether propellant)

### Ph.:

Not Available

### Percent Volatiles:

>60%

### Other Properties:

Incompatible with oxidising substances

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## 10. Stability and Reactivity

Under normal circumstances of use, this product is stable. Keep away from oxidisers.  
**Conditions to avoid:** See "Safe Handling Information" (Section 7).

## 11. Toxicological Information

### Health Effects

#### Acute

##### Swallowed

May cause irritation of mouth and throat. May cause headaches, abdominal pain, weakness, dizziness, nausea and diarrhoea. May irritate digestive tract. Ingestion of large amounts may lead to unconsciousness and death. (considered unlikely with aerosol)

##### Eye

Will cause moderate to severe eye irritation and may cause corneal damage.

##### Skin

May irritate skin in sensitive individuals. Has a defatting action on the skin which may lead to drying and cracking.

##### Inhaled

May cause nausea, diarrhoea and headaches. May irritate respiratory tract. Prolonged or repeated inhalation of highly concentrated vapour/aerosols may lead to a seriously adverse effect on the central nervous system.

#### Chronic

Prolonged or repeated inhalation of high vapour concentrations may have an adverse effect on the central nervous system. Prolonged or repeated skin exposure may lead to dermatitis through drying and cracking of the skin. Deliberate concentration of vapour ("chroming") may have fatal effect from heart failure or other effects on the CNS.

## 12. Ecological Information

Potential to bioaccumulate or biomagnify is low. Solvents in this product are biodegradable with half lives of 2 to 7 days in aerobic systems. Is slower in anaerobic systems. Not persistent.

## 13. Disposal Considerations

Recommended method of disposal: Dispose of according to Federal, State and local government regulations.

## 14. Transport Information

Transport as UN No. 1950 Aerosol Class 2.1 in accordance with the ADG Code & Regulations, the IMDG Code or the IATA DG Regulations as appropriate to mode of transport.

## 15. Regulatory Information

None Available

## 16. Other Information

Users should verify the currency of this data sheet if more than 5 years old. The information contained in this material safety data sheet is believed to be accurate on the date of issue and in accordance with the information available to us. Persons dealing with products referred to in this MSDS do so at their own risk. We accept no liability whatsoever for damage or injury however caused arising from use of this information or of suggestions contained herein.

**POLICE AND FIRE BRIGADE:**

**DIAL 000**

**NATIONAL POISONS INFORMATION CENTRE:**

**DIAL 13 11 26**

For further safety information contact Denis Brown at DCM TRADING on:

Tel: (07) 3245 2307 Fax: (07) 3245 2499

P.O. Box 5357, Alexandra Hills, QLD, Australia, 4161

## Disclaimer

The information contained within this MSDS applies only to the DCM TRADING product to which the sheet relates. The information provided is based on our best knowledge at the time of issue.

The information contained within this MSDS is believed to be accurate and is given in good faith. However no warranty is made, either express or implied, regarding its accuracy or any liability arising out of the use of the information herein or the products supplied.

When used in other preparations, formulations, or in mixtures, it is necessary to ascertain whether the classification of the hazards has changed. The attention of the user is drawn to the possibility of creating other hazards when the product is used for purposes other than that for which it was recommended. In such cases a reassessment may be necessary and should be made by the user.

This safety data sheet should only be used and reproduced in order that the necessary measures are taken relating to the protection of health and safety at work. It is the responsibility of the handlers to pass on the totality of the information contained within this document to any subsequent person(s) who will come in to contact with, handle or use this product in any way. They should check the adequacy of the information provided within this MSDS before passing it on to their customers / staff.

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