

Safety data sheet

According to 91/155 EEC

Printing date 05.02.2013

Vers.-Nr: 42

Revision: 02.01.2013

Hazardous according to criteria of Australian Safety and Compensation Council

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

- **Product identifier**
- **Trade name:** Transozinc Silicate 1.52 pack B
- **Article number:** 152b
- **Application of the substance/preparation:** Paint
- **Details of the supplier of the safety data sheet**
- **Manufacturer/supplier:** Wagon Paints Australia P/L 5 Stephenson Rd Bayswater North 3153
- **Emergency telephone number:** (03) 9729 1344 from 8.00 am to 4.30 pm

2 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

7440-66-6	zinc powder -zinc dust (stabilized) ⚠ H400; H410	50-100%
1330-20-7	xylene, mixture of isomers ⚠ H226; ⚠ H312; H332; H315	2.5-10%
67-63-0	propan-2-ol ⚠ H225; ⚠ H319; H336	2.5-10%
108-88-3	toluene ⚠ H225; ⚠ H361; H373; H304; ⚠ H315; H336	≤ 2.5%

3 Hazards identification

- **Classification of the substance or mixture**



GHS02 flame

H225 Highly flammable liquid and vapour.



GHS09 environment

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H333 May be harmful if inhaled.

- **Label elements**

- **Labelling according to Regulation (EC) No 1272/2008 Void**

- **Hazard pictograms**



GHS02 GHS09

- **Signal word** Danger

- **Hazard statements**

Highly flammable liquid and vapour.

May be harmful if inhaled.

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Very toxic to aquatic life with long lasting effects.

· Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Use explosion-proof electrical/ventilating/lighting/equipment.

Wear protective gloves/protective clothing/eye protection/face protection.

Ground/bond container and receiving equipment.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Dispose of contents/container in accordance with local/regional/national/international regulations.

4 First aid measures

· After inhalation: Supply fresh air; consult doctor in case of complaints.

· After skin contact: Generally the product does not irritate the skin.

· After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing: If symptoms persist consult doctor.

5 Firefighting measures

· Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water.

· For safety reasons unsuitable extinguishing agents: Water with full jet

· Protective equipment: No special measures required.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

· Handling:

· Precautions for safe handling

Use only in well ventilated areas.

Store in cool, dry place in tightly closed receptacles.

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

· Storage:

· Requirements to be met by storerooms and receptacles: No special requirements.

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions: Keep container tightly sealed.

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8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Ingredients with limit values that require monitoring at the workplace:**

xylene, mixture of isomers (2.5-10%)

NES	Short-term value: 655 mg/m ³ , 150 ppm
	Long-term value: 350 mg/m ³ , 80 ppm

propan-2-ol (2.5-10%)

NES	Short-term value: 1230 mg/m ³ , 500 ppm
	Long-term value: 983 mg/m ³ , 400 ppm

toluene (≤2.5%)

NES	Short-term value: 574 mg/m ³ , 150 ppm
	Long-term value: 191 mg/m ³ , 50 ppm
Sk	

· **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

· **Respiratory protection:** Not required.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **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.

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **General Information**

· **Appearance:**

Form:

Fluid

Colour:

According to product specification

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined.

· **pH-value:**

Not determined.

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· Change in condition Boiling point/Boiling range:	82 °C
· Flash point:	13 °C
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	425 °C
· Decomposition temperature:	Not determined.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits: Lower: Upper:	Not determined. Not determined.
· Vapour pressure:	Not determined.
· Density at 20 °C:	3.214 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity: Dynamic at 20 °C: Kinematic:	2000 mPas Not determined.
· Solvent content: VOC (EC)	478.9 g/l

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

xylene, mixture of isomers

Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

12 Ecological information

- **Aquatic toxicity:** No further relevant information available.

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- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **Additional ecological information:**
- **General notes:**
 Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
 Do not allow product to reach ground water, water course or sewage system.
 Danger to drinking water if even small quantities leak into the ground.
 Also poisonous for fish and plankton in water bodies.
 Very toxic for aquatic organisms

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
 Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **ADG, IMDG, IATA** UN1263
- **UN proper shipping name**
- **ADG** 1263 PAINT, ENVIRONMENTALLY HAZARDOUS, special provision 640H
- **IMDG** PAINT (zinc powder -zinc dust (stabilized)), MARINE POLLUTANT
- **IATA** PAINT
- **Transport hazard class(es)**
- **ADG, IMDG**
- 
- **Class** 3
- **Label** 3
- **IATA**
- 
- **Class** 3
- **Label** 3
- **Packing group**
- **ADG, IMDG, IATA** III
- **Environmental hazards:**
- **Marine pollutant:** Yes
 Symbol (fish and tree)
- **Special marking (ADG):** Symbol (fish and tree)
- **Special precautions for user**
- **Danger code (Kemler):** 339

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- | | |
|---|----------------|
| · EMS Number: | <i>F-E,S-E</i> |
| · Transport/Additional information: | |
| ----- | |
| · ADG | |
| · Limited quantities (LQ) | <i>5L</i> |
| · Transport category | <i>3</i> |
| · Tunnel restriction code | <i>D/E</i> |
| · UN "Model Regulation": <i>UN1263, PAINT, special provision 640H, ENVIRONMENTALLY HAZARDOUS, 3, III</i> | |

15 Regulatory information

- | | |
|--|--|
| · Australian Inventory of Chemical Substances | |
| <i>1330-20-7</i> | <i>xylene, mixture of isomers</i> |
| <i>67-63-0</i> | <i>propan-2-ol</i> |
| <i>108-88-3</i> | <i>toluene</i> |
| <i>68648-78-2</i> | <i>Mowital</i> |
| | <i>Quaternary ammonium compounds,benzyl(hydrogenated tallow alkyl)dimethyl,chlorides, compds. with hectorite</i> |

· **Standard for the Uniform Scheduling of Drugs and Poisons**

<i>1330-20-7</i>	<i>xylene, mixture of isomers</i>	<i>S6</i>
<i>108-88-3</i>	<i>toluene</i>	<i>S6</i>

· **Labelling according to Regulation (EC) No 1272/2008 Void**

· **Hazard pictograms**



GHS02 GHS09

· **Signal word** *Danger*

· **Hazard statements**

Highly flammable liquid and vapour.

May be harmful if inhaled.

Very toxic to aquatic life with long lasting effects.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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Dispose of contents/container in accordance with local/regional/national/international regulations.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

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IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

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