

SAFETY DATA SHEET



Jotazinc - Comp. B

1. Identification of the substance/preparation and of the company/undertaking

Product name and/or code : Jotazinc - Comp. B

Supplier/Manufacturer : Jotun (Malaysia) Sdn. Bhd.
Lot 7, Persiaran Perusahaan
Seksyen 23
40300 Shah Alam
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Malaysia

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2. Composition/information on ingredients

Chemical name*	CAS no.	EC Number	%	Classification
Zinc See section 16 for the full text of the R Phrases declared above	7440-66-6	231-175-3	50 - 100	F; R15 R10

* Occupational Exposure Limit(s), if available, are listed in Section 8

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.
Contact with water liberates extremely flammable gases.
Flammable.



Highly flammable

4. First aid measures

First-Aid measures

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- Eye Contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.

5. Fire-fighting measures

Extinguishing Media : Recommended: alcohol resistant foam, CO₂ blanket, water spray/mist.
Not to be used : waterjet.

Recommendations : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways

6. Accidental release measures

- Personal Precautions** : Exclude sources of ignition and ventilate the area. Avoid breathing dust. Refer to protective measures listed in sections 7 and 8.
- Spill** : Contain and collect spillage with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Persons suffering from respiratory problems or allergic responses should not be exposed to, or handle, powder coatings.

- Handling** : Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits.
- Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources.
- To dissipate static electricity during transfer, earth drum and connect to receiving container with bonding strap. Operators should wear anti-static footwear and clothing and floors should be of the conducting type.
- Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used.
- Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates and spray mist arising from the application of this preparation. Avoid inhalation of dust from sanding.
- Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.
- Put on appropriate personal protective equipment (see Section 8).
- Never use pressure to empty : container is not a pressure vessel. Always keep in containers of same material as the original one.
- Comply with the health and safety at work laws.
- Storage** : Store in accordance with local regulations. Observe label precautions. Store in a cool, well-ventilated area away from incompatible materials and ignition sources.
- Keep away from: oxidising agents, strong alkalis, strong acids.
No smoking. Prevent unauthorised access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Do not empty into drains..

8. Exposure controls/personal protection

- Engineering measures** : Do not breathe dust. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain exposure to dusts below the OEL, suitable respiratory protection must be worn.

Ingredient name

Zinc

Occupational exposure limits

EH40-OES (United Kingdom (UK), 2002).

STEL: 10 mg/m³ 15 minute(s). Form: Fume

TWA: 5 mg/m³ 8 hour(s). Form: Fume

Personal protective equipment

- Respiratory system** : If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. If dust is generated and ventilation is inadequate, use respirator that will protect against dust/mist. (P2).
- Skin and body** : Personnel should wear protective clothing. Care should be taken in the selection of protective clothing to ensure that inflammation and irritation of the skin at neck and wrists through contact with the powder are avoided.
- Hands** : For prolonged or repeated handling, use gloves: nitrile.
- Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.
For right choice of glove materials, with focus on chemical resistance and time of penetration, seek advice by the supplier of chemical resistant gloves.
- Eyes** : Safety eye-wear should be used when there is a likelihood of exposure.

9. Physical and chemical properties

Physical state	: Solid.
Odour	: Characteristic.
Colour	: Various colours.
Flash point	: Closed cup: 100°C (212°F).
Density	: 7.1 g/cm ³
Solubility	: Insoluble in cold water, hot water.

10. Stability and reactivity

Stable under recommended storage and handling conditions (see section 7).

Hazardous Decomposition Products: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

11. Toxicological information

There are no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See Chapters 2 and 15 for details.

Coatings powders can cause localised skin irritation in folds of the skin or under tight clothing.

12. Ecological information

There are no data available on the preparation itself.

Coatings powder residues should not be allowed to enter drains or water courses or be deposited where they can affect ground or surface waters.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Zinc	Daphnia magna (EC50)	48 hour(s)	2.8 mg/l
	Pimephales promelas (LC50)	96 hour(s)	0.238 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	0.24 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	0.41 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	0.56 mg/l
	Daphnia magna (LC50)	96 hour(s)	0.57 mg/l

13. Disposal considerations

Do not allow to enter drains or watercourses. Material and/or container must be disposed of as hazardous waste.

European waste catalogue (EWC) : 08 01 11 waste paint and varnish containing organic solvents or other dangerous substances

14. Transport information

This preparation is not classified as dangerous according to international transport regulations, (ADR/RID, IMDG, ICAO/IATA).

These zinc types have been tested according to the criteria for classes 4.1, 4.2 and 4.3. As a result it has been classified as non-hazardous for transport: BAM, 1997 Report II.2-399/97 and BAM, 1991 Report 4.02/881/91.

15. Regulatory information

EU Regulations : The product is labelled as follows, in accordance with local regulations:

Hazard symbol(s)

:



Highly flammable

Indication of Danger

:

Risk Phrases

:

Safety Phrases

:

16. Other information

CEPE Classification : 3
Full text of R phrases referred to in sections 2 and 3 - United Kingdom (UK) : R15- Contact with water liberates extremely flammable gases.
R10- Flammable.
Notice to reader
History
Date of printing : 01.07.2005.
Date of issue : 01.07.2005.
Date of previous issue : 05.01.2003.
Version : 2
Prepared by :

The information of this SDS is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product : it is not to be considered as a guarantee of the products properties.

 Indicates information that has changed from previously issued version.

Version 2

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