

MATERIAL SAFETY DATA SHEET**Product Name:** Devarda's alloy**CAS No.:** 8049-11-4**Version:** 0**1. Identification**

Product Code : 93025
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2. Hazards Identification**Hazard classification**

Flammable solids : Category 1

Labels elements

Hazard symbol

**Signal word** : Danger**Hazard statement** : Flammable solid.**Precautionary statement** : Keep away from heat/sparks/open flames/hot surfaces. No smoking.**3. Composition/information on ingredients**

Ingredient : AlCuZn
CAS No. : 8049-11-4
Percent : NA
Formula : NA
Molecular Weight : NA

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4. First Aid Measures**Description of first aid measures**

- General advice** : Consult a physician. Show this safety data sheet to the doctor in attendance.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- Skin contact** : Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
- Eye contact** : 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.
- Swallowed** : Get medical advice/attention if you feel unwell. Rinse mouth.
- Most important symptoms and effects, both acute and delayed** : The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
- Indication of any immediate medical attention and special treatment needed Treatment** : No data available

5. Fire fighting measures**Extinguishing media**

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Special hazards arising from the substance or mixture** : Aluminum oxide, Zinc/zinc oxides, Copper oxides
- Advice for firefighters** : Wear self contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures** : Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.
- Environmental precautions** : Do not let product enter drains.
- Methods and materials for containment and cleaning up** : Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local

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regulations (see section 13). Keep in suitable, closed containers for disposal. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).

7. Handling and storage

- Precautions for safe handling** : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls / Personal Protection

- Exposure limit** : No data available
- Appropriate engineering controls** : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
- Personal protective equipment**
- Respiratory protection : Dust respirator. Follow local and national regulations
- Hand protection : Protective gloves.
- Eye protection : Safety glasses. A face-shield, if the situation requires.
- Skin and Body Protection : Protective clothing. Protective boots, if the situation requires.

9. Physical and Chemical Properties

- Appearance** : Grey coloured powder
- Odor** : No data available
- pH** : No data available
- Melting point/freezing point** : 550 °C - lit.
- Initial boiling point and boiling range** : No data available
- : - No data available
- Flash Point**
- Vapor pressure** : No data available
- Vapor density** : No data available
- Relative density** : No data available
- Solubility in water** : No data available
- Solubility (other)** : No data available

10. Stability and Reactivity

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Reactivity	: No data available
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: No data available
Conditions to avoid	: Heat, flames and sparks. Extremes of temperature and direct sunlight.
Incompatible materials	: Strong acids and oxidizing agents
Hazardous decomposition products	: Hazardous decomposition products formed under fire conditions. - Aluminum oxide, Zinc/zinc oxides, Copper oxides

11. Toxicological Information**Information on toxicological effects**

Acute toxicity	: No data available
Skin corrosion/irritation	: No data available
Serious eye damage/eye irritation	: No data available
Respiratory or skin sensitization	: No data available
Germ cell mutagenicity	: No data available
Carcinogenicity	
IARC	: No data available
NTP	: No data available
OSHA	: No data available
Reproductive toxicity	: No data available
Route of Exposure	: No data available
Signs and Symptoms of Exposure	: No data available

12. Ecological Information

Toxicity	: No data available
Persistence and degradability	: No data available
Bioaccumulative potential	: No data available
Mobility in soil	: No data available.
Other adverse effects	: No data available.

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- Disposal instructions** : Offer surplus and non-recyclable solutions to a licensed disposal company.
- Contaminated packaging** : Dispose of as unused product.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	3089	METAL POWDER, FLAMMABLE, N.O.S.	4.1	II	NO
IMDG	3089	METAL POWDER, FLAMMABLE, N.O.S.	4.1	II	NO
IATA	3089	METAL POWDER, FLAMMABLE, N.O.S.	4.1	II	NO

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information**Issue Date** :01/02/2014**Version** : 0

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