

FurseWELD[®]

Exothermic welding powder (starter)



1. Description of substance / preparation and company

For starting the reaction for exothermic copper to copper and copper to steel joints.

(Note: this powder is not sold separately from the main powder)

Trade Name

FurseWELD Exothermic Welding Powder – 15P10, 25P10, 32P10, 45P10, 65P10, 90P10, 115P10, 150P10, 200P10, 250P10, 15RTB, 25RTB, 32RTB, 45RTB, 65RTB, 90RTB, 115RTB, 150RTB, 200RTB, 250RTB.

Manufacturer / Supplier

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2. Composition / specification of components

Chemical Name: Thermit Welding Powder.

CAS No.	Name	% by Weight
7429-90-5	Aluminium	Not > 45%
1317-39-1	Cuprous Oxide	Not > 25%
1317-38-0	Cupric Oxide	Not > 25%
1317-61-9	Iron Oxide	Not > 20%

3. Hazard data

Hazard Description:

Can cause heat burns. Hazardous classification 4.1



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4. First aid procedure

General Advice:

Remove from exposure, lie down, seek medical advice.

After Inhalation:

For inhalation of dust or fumes remove from exposure, provide fresh air, seek medical advice.

After Skin Contact:

Standard treatment for burns in event of contact with molten metal, slag or hot equipment. Treat with plenty of cold water. Consult a doctor if required.

After Eye Contact:

Rinse thoroughly with plenty of water for at least 15 minutes. Keep eyes wide open whilst rinsing. Consult a doctor if required.

5. Fire fighting procedure

Suitable Extinguishing Media:

Dry sand.

Special protective equipment for fire fighters:

In case of fire wear full protective flameproof clothing.

Specific Hazards:

Heating does not release hazardous gases.

Specific Methods:

Cool adjacent containers / pallets with water spray.

6. Procedure in case of unintended liberation

Methods for Cleaning Up:

All spilled material may be swept up for disposal.

Waste Disposal Methods:

Dispose of in accordance with local regulations.

Environmental Precautions:

Non polluting.

7. Handling and storage

Technical Measures & Precautions:

Use only in areas provided with appropriate exhaust ventilation.

Handling and Open Storage Conditions:

Keep away from excessive heat above 300°C.

Safe Handling Advice (when being used):

Wear personal protective equipment such as is used by arc welders.

Packaging:

Weight for each box/package: Sea Freight 25kgs
Air Freight 15kgs

8. Exposition limits and personal protective equipment

Engineering measures to reduce being burnt:

Treat as for normal arc welding.

Skin and Body Protection:

Arc welding protection.

Eye Protection:

Face shield/safety glasses.

Hand Protection:

Heat resistant gloves.

Respiratory Protection:

Not required.

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9. Physical and chemical properties

Form:

Fine granules.

Colour:

Grey

Odour:

None

pH:

Neutral

Specific Gravity:

2.5 Nominal

Ignition:

450°C

Maximum Temperature:

1800°C

Solubility:

Non Soluble

10. Stability and reactivity

Stability:

Stable at normal temperature.

Conditions to Avoid:

Above 450°C ignition is possible.

Hazardous Decomposition Products:

None

11. Toxicological data

Toxicity:

Non Toxic

12. Ecological data

General:

If powder has entered a water course or sewer pollution may occur.

13. Disposal data

Waste from residues and unused products:

Can be land filled when in compliance with local regulations.

Contaminated packaging:

Empty containers can be land filled when in compliance with local regulations.

14. Transportation data

UN 3089 Metal powder, Flammable, N.O.S. 4.1; Packing Group II

Flammable Solid Inorganic NOS**Hazard Class:**

4.1

Packaging Group:

II

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15. Instructions

None

16. Miscellaneous

Recommended Use:

For starting the reaction for exothermic copper to copper and copper to steel joints.

The data in this Safety Data Sheet has been supplied as required by the CHEMICALS (HAZARD INFORMATION AND PACKAGING) REGULATIONS 1994, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.

This data sheet does not constitute a user's assessment of workplace risk as required by the HSW Act, COSHH, Management of Health and Safety at Work legislation, or any other Health and Safety legislation.

Further information:

Contact the Furse Technical Department.

The information given in this Safety Data Sheet is based on current knowledge and experience and is intended to describe the products in terms of their health and safety requirements. It should not therefore be construed as guaranteeing specific properties.

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

Contact us

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