



# Safety Data Sheet

## RD 363/1995 and DC 93/112/EC

*Valid since:* February 2008 *Version:* February 2008

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### 1. Identification of the product and company

#### a) Product identification

*Trade name:* Box of refractory sand moulds for the aluminothermic welding.

*Description:* Silica sand moulds, zirconium sand, bonded with sodium silicate.

#### b) Company identification / Supplier

*Manufacturer:* KLK Electro Materiales, S.A.

*Address:* La Juvería - Tremañes 33211 GIJON – SPAIN (EC)  
Apartado 333 - 33280 GIJON – SPAIN (EC)

*Phone:* + 34 985 321 850

*Fax:* + 34 985 312 820

*E-mail:* export@klk.es

### 2. Composition / Ingredients

**NO HAZARDOUS GOODS.**

COMPONENTS	Contents in weight (%)	HAZARDOUS
Silica Sand	85 - 90	Not classified as hazardous
Zirconium Sand	6 - 10	Not classified as hazardous
Sodium silicate	3 - 5	Not classified as hazardous
Iron oxide	< 0.1	Not classified as hazardous



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### 3. Hazards identification

Not easily flammable product.

*Eyes contact:* wash hands after using the product..

### 4. First aids measures:

Serious burns can occur in case of contact with sparks or melting metal produced by the aluminothermic reaction.

### 5. Fire-fighting measures:

*Suitable extinguishing methods for stored product:* Not flammable

*Not recommended extinguishing methods for stored product:* Not flammable

*Special exposure hazards:* Not flammable

### 6. Supply, handling and storage instructions

#### a) Supply

§ Packed in protective carton and blistered.

#### b) Handling:

§ It is recommended, but nor necessary, to handle with protective gloves.

§ No smoking.

#### c) Storage:

§ Kept in the original package in a dry and well ventilated room.



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### 7. Exposure control / personal protection

*Respiratory protection:* Not necessary  
*Hands protection:* It is recommended, but not necessary, to handle with protective gloves.  
*Eyes protection:* Protect eyes with goggles during welding.

### 8. Physical and chemical properties:

*Appearance:*  
*Odour:* Odourless  
*Flavour:* Flavourless.  
*Solubility in water* Non soluble.

### 9. Stability and reactivity

*Stability:* Stable in normal conditions of use.  
*Dangerous decay products'* Not applicable.  
*Materials to avoid:* Not applicable.  
*Conditions to avoid:* Humidity / Damp

### 10. Toxicological information

No toxic effects are known

### 11. Ecological information

No adverse effects are known.

### 12. Disposal considerations

Dispose of in accordance with State and Local regulations.



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### 13. Transport information

None in particular. Sand moulds are not classified as hazardous goods and are not under any particular transport regulation.

### 14. Regulatory information

Labelling: Not applicable

### 15. Waste products

The waste (sand) must be putted away from the ballast to avoid eventual contaminations and a slight decrease of its functions.

### 16. Other information

Read always the aluminothermic welding procedure instructions before using.

Once the reaction starts it is not possible to stop reaction. Keep away from the reaction source to avoid burns

The aluminothermic reaction generates sparks and molten metal. Be careful and avoid contact between ejections of molten metal and moisture, water or oil.

The information container herein is based on the present state of our knowledge and is intended to provide a description of the characteristics of the product for safety purposes.

The information container in this sheet is not to be taken as a guarantee of the properties of the product.