

1. Identification of the Substance/Preparation and the Company/Undertaking

1.1. Product identifier

Substance or preparation trade name: Spark lighters and replacement flints

Unique reference numbers(s):
681001
681002
681003
682001
682003
683001
683002

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Spark lighter for igniting gas flames

1.3. Details of the supplier of the safety data sheet

Company/undertaking name & address: Parweld Ltd, Long Bank, Bewdley, Worcs, UK

ABN: 95 000 029 729

Telephone number: +00 44 1299 266800

Telefax: +00 44 1299 266900

Emergency telephone number: +00 44 1299 266800

1.4. Emergency telephone number

Emergency tel: +00 44 1299 266800 (office hours only)

2: Hazards identification

2.1. Classification of the substance or mixture

No Significant Hazard

2.2. Label elements

Signal words:

Precautionary statements:

2.3. Other hazards

Lighter flints in the delivered form (cylindrical pieces) have no special risk. Moderate risk of explosions of fine material. Dust can have irritant effects to eyes and respiratory organs. Inappropriate use of lighter flints (e.g. use for sparking effects) can lead to fire and burn injuries.

PBT: This product is not identified as a PBT/vPvB substance

3.0 Composition/information on ingredients

Chemical characterization: Substances Ferro Cerium Lighter Flints Product name: Ferro Cerium

3.1. Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Rare earth metals	>76%			
Iron	~20%	7439-89-6	231-096-4	
Magnesium	~2%	7439-95-4	231-104-6	-Pyr. Sol. 1, H250; Water-react. 1, H260

4: First aid measures

4.1. Description of first aid measures

Skin contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

Eye contact: Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist. Contact lenses should be removed. Wash with water.

Ingestion: Rinse mouth and drink plenty of water .

Inhalation: Supply fresh air. Seek medical treatment in case of complaints..

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

5: Fire-fighting measures

5.1. Extinguishing media

Water, A,B,C and Class D dry powder

5.2. Special hazards arising from the substance or mixture

In case of fire, the following can be released: Toxic metal oxide smoke

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes

6. Accidental release measures

Personal precautions	Avoid formation of dust Keep away from ignition sources
Environmental precautions	No special measures required.
Clean up methods	Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of soapy water.

7. Handling and storage

Handling Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.

Storage No special requirements

Material Safety Data



8. Exposure Controls

8.1 Exposure limits

Lanthanum (III) Oxide N/A

8.2 Controls

Engineering measures	Ensure adequate ventilation of the working area.
Hand protection	Wash hands before eating or drinking
Eye protection	safety spectacles
Protective equipment	Wear protective clothing.



9. Physical and chemical properties

Appearance:	Physical form:	Solid.
	Appearance:	Metallic grey rods.
	Odour:	None.

Important relevant safety parameters:

	Value	Unit	Test method (67/548/EEC)	Mel
Flame point	Non Flammable			
Relative density (20°C)	18.62	g/cm ³	DIN 51 757	
Solubility (20°C)	insoluble			
pH value (20°C), 5%	N/A			
Melting point	700 °C			
Boiling point	1100 °C			
Freezing Point	N/A			
Ignition temperature	Solid 400 °C Powder 195-280°C			

10. Stability and reactivity

Stability	Stable under normal conditions.
Conditions to avoid	Oxidation in presence of Oxygen at increase temperature (600 °C plus)
Materials to avoid	Peroxides. Strong acids.

Material Safety Data



11. Toxicological information

Acute oral, dermal or respiratory toxicity

Cerium	LD ₅₀ oral Rat	>5000mg/KG
Lanthanum (III) Oxide	LD ₅₀ oral Rat	>5g/KG

12. Ecological information

Non hazardous in water

13 Disposal Considerations

General information	Ferro Mischmetal tends to oxidize if they are stored for a longer time. The formed oxides are mostly available in form of powder. Powder and swarf of Mischmetal have pyrophoric properties and spontaneous ignition is possible
Disposal methods	Contact a licensed waste disposal company. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.
Disposal of packaging	Empty containers can be sent for disposal or recycling.

14. Transport information

Not classified

Further information The product is not classified as dangerous for carriage.

15. Regulatory information

Risk phrases -N/A.

16. Other Information