
Material Safety Data Sheet according to 93/112/EC

Trade Name: **Sinterball**
Grades: **Various grades as per technical data sheet**
Issue date: **November 2022** Page: 1(4)

1. Chemical Product and Company Identification

Product Name: **Sinterball**
Supplier: **Hodge Clemco Ltd**
Orgreave Drive
Handsworth, Sheffield
South Yorkshire ENGLAND
Phone Number: **+44(0) 114 254 0600**

In case of emergency call: **Hodge Clemco Ltd**
Phone Number: +44(0) 114 254 0600

2. Composition / Information on Ingredients

Chemical composition:	%
Aluminium Oxide Al₂O₃	79.70
Titanium Oxide (TiO₂)	1.82
Calcium/Magnesium Oxide	0.83
Potassium/Sodium Oxide	0.43
Iron Oxide (FeO)	13.00
Silicon Oxide (SiO₂)	4.21
Free Silica	< 0.1

Sinterball is a spherical aluminium oxide

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3. Potential Health Hazards:

Eyes and throat can become irritated when exposed to too high concentrations. May cause skin irritation. There is no significant immediate health, physical or environmental hazards.

4. First Aid Measures

<i>Inhalation:</i>	Remove to fresh air.
<i>Skin:</i>	Wash with water and soap.
<i>Eye:</i>	Immediately wash with plenty of water. If irritation persists, consult physician.
<i>Ingestion:</i>	Give water to drink, wash mouth out if appropriate.
<i>Advice to physician:</i>	No specific advice. Treat according to symptoms present.

5. Fire Fighting Measures

Not applicable

6. Accidental Release Measures

<i>Personal protection:</i>	Wear recommended personal protective equipment.
<i>Procedure for cleaning and recollection:</i>	Sweep up with a minimum of dusting. Collection in container, e.g. mini bulk bag or drum.

7. Handling and storage

<i>Handling:</i>	Avoid breathing dust. Avoid spillage which can cause slippery floors. Use good personal hygiene and housekeeping.
<i>Storage recommendations:</i>	Keep material in dry warehouse.
<i>Storage class:</i>	Not applicable.

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8. Exposure controls / Personal protection

Engineering controls: Use adequate ventilation if dusty conditions prevail when handling the product. For storage and ordinary handling, general ventilation is adequate.

Exposure guidelines, Dust: Total dust < 10 mg/m³ 8 hour TWA
Respirable dust < 4 mg/m³ 8 hour TWA
(no free SiO₂, all components are amorphous / non- crystalline).

Respiratory protection: Blasting operators should use a CE marked or HSE approved shotblasting helmet. Ancillary workers should use a P2 dust respirator.

Skin protection: Protective garments.

Eye protection: Blasting helmet as above or goggles.

9. Physical and Chemical Properties

Appearance:

<i>Physical state:</i>	Round spheres
<i>Colour:</i>	Black
<i>Odour:</i>	None

Safety relevant data:

<i>Melting point:</i>	2000°C
<i>Lower explosion limit:</i>	Not applicable.
<i>Upper explosion limit:</i>	Not applicable
<i>Specific gravity:</i>	3.77 kg/dm ³
<i>Bulk density:</i>	2100 kg/dm ³
<i>Hardness:</i>	9 Mohs
<i>Solubility in water:</i>	None

10. Stability and Reactivity

Stable under normal conditions.

11. Toxicological Information

Immediate (acute) effects: Not applicable.

Delayed (sub chronic and chronic) effects: Not applicable.

Other data: Dust in concentration above the max. Recommended concentrations might cause irritation of eyes and throat.

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12. Ecological Information

Not applicable.

13. Disposal Considerations.

Discard as non-hazardous inert solid waste according to applicable local regulations. Special disposal procedures may apply to spent abrasive which may contain other materials derived from the substrate being cleaned.

14. Transport Information

Land Transport:

<i>ADR</i>	Not regulated
<i>GGVS</i>	Not regulated
<i>RID</i>	Not regulated
<i>GGVE</i>	Not regulated

Identification of the product:

Danger number **UN nr:**

River / Canal-transport:

ADNR **Not regulated**

Sea-Transport:

<i>IMDG/GGVSea-code</i>	Not regulated
<i>EmS MFAG</i>	

Air-transport:

ICAO/IATA-DGR **Not regulated**

Other Information:

May be sent by mail.

15. Regulatory Information

Danger symbols: **not applicable**

National regulations: **not applicable**

16. Other Information

The information contained in this document is to the best of our knowledge accurate, but since The circumstances and conditions in which it may be used are beyond our control, we do not accept liability for any loss or damage, however arising, which may result directly or indirectly from the use of such information.

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