



SAFETY DATA SHEET

Material Safety Data Sheet according to 93/112/EC

OLIVINE – All Grades

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

Product Name: Olivine – Grades AFS20, 30, 50, 80 and 120
Supplier: Hugh Crane (Cleaning Equipment) Ltd
South Walsham Road
Acle
Norwich NR13 3ES
Telephone: 01493 750072 Fax 01493 751854

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Composition: Magnesium/Iron silicate with general formula $(Mg,Fe)_2SiO_4$

3. HAZARDS IDENTIFICATION

Potential Health Hazards: Eyes and throat can become irritated when exposed to too high concentrations. There is no significant immediate health, physical or environmental hazard.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air, rinse mouth and give water to drink.
Skin Contact: Wash with water and soap.
Eye Contact: Wash with plenty of water. If irritation persists, consult physician.
Ingestion: Rinse mouth, give water to drink.
Advice to Physician: None specific. Treat according to symptoms present.

5. FIRE FIGHTING MEASURES

6. ACCIDENTAL RELEASE

Personal Protection: Wear recommended personal protective equipment. CE marked or HSE approved shot blasting helmet, ancillary workers should use a PS2 dust respirator.
Procedure For Cleaning and Recollection: Sweep up with a minimum of dusting. Where possible use water as dust suppressant. Collection in suitable container.

7. HANDLING AND STORAGE

Handling: Avoid breathing dust. Avoid spillage. Use good personal hygiene and housekeeping.
Storage Recommendations: Keep bags and containers well closed. Store cool.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: In blasting applications airborne dust should be minimised, for example by using water as a dust suppressant. Local exhaust ventilation should be provided when blasting indoors. For storage and ordinary handling, general ventilation is adequate.
Exposure Guidelines – Dust: Total dust $<10\text{mg}/\text{m}^3$ 8 hour TWA
Respirable dust $<4\text{mg}/\text{m}^3$ 8 hour TWA
Respiratory Protection: Blasting operators should use a CE marked or HSE approved shot blasting 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

Physical State: Solid
Colour: Pale green
Odour: None

Safety Relevant Data

Melting Point: 1760°C
Lower Explosion Limit: Not Applicable.
Upper Explosion Limit: Not Applicable.
Apparent Density: 3.3kg dm^{-3}
Bulk Density 1.7 to 1.9 kg dm^{-3}



pH Diluted: Not Applicable.
Boiling Point/Range °C: 187-213 @ 760mmHg

Flash Point °C: 60
Solubility in Water: Not applicable.

10. STABILITY AND REACTIVITY

Not applicable.

11. TOXICOLOGICAL INFORMATION

Immediate (acute) effects: Not applicable,

Delayed (subchronic & chronic effects) Not applicable.

12. ECOLOGICAL INFORMATION

Not applicable.

13. DISPOSAL CONSIDERATIONS

Discard as non-hazardous inorganic solid waste. Due consideration will need to be given to spent abrasive which may contain other materials derived from the substrate being cleaned.

14. TRANSPORT INFORMATION

Land Transport: **ADR** Not regulated
GGVS Not regulated
RID Not regulated
GGVE Not regulated

Identification of the Product

Danger No.: **UN No.:** -
River/Canal Transport **ADNR:** Not regulated
Sea Transport **IMDG/GGV :** Sea Code – Not regulated
EmS: MFAG
Air Transport **ICAO/IATA-DGR:** Not regulated
Other Information:

15. REGULATORY INFORMATION

Danger Symbols: Not applicable
National Regulations: Not applicable

16. OTHER INFORMATION

Olivine sand is produced from the rock Dunite. In the rock small amounts of fibrous minerals can be found, first of all in the mineral group of inosilicates such as pyroxenes, amphiboles and other fibres which share some similarities with asbestos fibres. Each imported shipment of Olivine is tested in accordance with MDSH77 by an approved laboratory to ensure that the quantity and types of fibre found in the material do not present a significant risk to health.

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