

Safety Data Sheet SDS 62

Envirasponge Aluminium Oxide

Trade Name: Envirasponge + Aluminium Oxide

Grades: ESA Grades 16 to 500

Original Issue Date: May 2015

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SECTION 1

Identification of the substance/mixture

1.1 Product Identifier: Envirasponge – ESA
Product Description: Envirasponge + Aluminum Oxide

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

Product use: For use as a blasting media for the removal of coatings from a variety of substrates.

No hazardous product as specified under Directive 67/548/CE and exempt under REACH Regulation 1907/2006.

1.3 Details of the supplier of the safety data sheet

Hodge Clemco Ltd, Orgreave Drive, Sheffield S13 9NR, U.K.

Email address of person: sales@hodgeclemco.co.uk

Emergency telephone number of the supplier: +44 (0) 114 254 8811

Hours of operation: Mon-Fri 08.30-17.00

SECTION 2: Hazards Identification

2.1 Classification of substance or mixture

Not classified. The components do not meet the criteria for classification in accordance with the REACH Regulations 1907/2006. No special conditions are therefore needed. The material is not subject to a labelling requirement in accordance with CLP regulation 1272/2008/CE. The material is not considered hazardous in normal use but the following potential hazards should be recognised:

- a) Dust – inhalation (section 8). May cause respiratory system irritation
- b) Skin irritation in susceptible individuals. Frequent or prolonged contact may cause irritation.
- c) Eye – may cause irritation, avoid direct contact
- d) Ingestion – ingestion of large quantities may cause gastro-intestinal irritation
- e) Noxious fumes evolved during fire (section 5).

SECTION 3: Composition/information on ingredients

Ingredient	%	CAS No	EINECS No
Aluminium Oxide	60.90	1344-28-1	215-691-6
Titanium Oxide	2.65	98084-96-0	619-318-1
Iron Oxide	1.00	1309-37-1	215-168-2
Silica	0.90	7631-86-9	231-545-4
Magnesium Oxide	0.25	1309-48-4	215-171-9
Calcium Oxide	0.10	1305-78-8	215-138-9
Polyurethane Elastomer	15-40		
Water	0-1.8		

Aluminium Oxide is a quality blasting medium produced from brown virgin fused aluminium oxide, manufactured in accordance with BS EN ISO 11126 part &: 2001.

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

Inhalation: Remove to fresh air. If irritation occurs seek medical attention.

Skin: Wash with water. Seek medical attention as needed.

Eye: Irrigate with plenty of water. Check for and remove any contact lenses. Seek medical attention as needed.

Ingestion: If swallowed seek medical attention.

Advice to physician: Treat according to symptoms present.

4.2 Most important symptoms and effects, both acute and delayed

The product may cause temporary mechanical irritation to the eyes, nose, throat and lungs

SECTION 5: Fire Fighting Measures

Special fire fighting procedures: Hazardous fumes produced, use respiratory protection.

Hazardous combustion products: Oxides of carbon, nitrogen and hydrogen cyanides.

Unusual Fire and explosion hazards: Avoid excessive temperature, combustion products may be extremely irritating.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid breathing dust. Use appropriate personal protective equipment. Observe occupational exposure limits detailed in section 8.

6.2 Environmental precautions

Make sure spills can be contained. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and clean-up

Ventilate the area thoroughly. Vacuum or sweep up material and place in a suitable container for re-cycling or disposal (section 13).

6.4 References to other sections

Section 1 for emergency contact information.

Section 8 for information on personal protective equipment

Section 13 for Waste Disposal

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Envirasponge is not classified and no protective measures are needed for safe handling. The unused product is considered as a non-hazardous waste.

Handling: Keep dry to avoid damage to container.

Storage: Keep material in a dry warehouse.

SECTION 8: Exposure controls/Personal protection

8.1 Engineering controls

Good mechanical ventilation of work area and approved breathing air respirator recommended. For normal storage and handling good ventilation is adequate.

8.2 Occupational Exposure Limits

General dusts: TWA : 10mg/m (inhalable), 4mg/m³ (respirable)
Silica(amorphous): TWA:6mg/m³ (inhalable), 2.4 mg/m (respirable)

8.3 Skin protection

Suitable protection against mechanical abrasion.

8.4 Respiratory and Eye protection

Blasting operatives should wear a CE marked or HSE approved blasting helmet. Ancillary workers should use a P2 dust respirator and safety goggles.

8.5 Ear protection

Wear hearing protection when blasting, and in other applications abide by noise regulations dictated by employer/workplace rules and legislation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<i>Appearance:</i>	Granulate
<i>Colour:</i>	Silver/grey
<i>Odour:</i>	Slight mouldy, musty odour
<i>pH:</i>	No value
<i>Solubility in water:</i>	Insoluble

SECTION 10: Stability and Reactivity

<i>Stability:</i>	Stable
<i>Conditions to avoid:</i>	None known
<i>Reactivity:</i>	None known
<i>Hazardous decomposition products:</i>	CO ² , CO, hydrogen cyanide and various isocyanates
<i>Incompatible substances:</i>	Sodium hypochlorite

SECTION 11: Toxicological Information

<i>Carcinogenicity:</i>	None known
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SECTION 12: Ecological Information

There is no data available on this product in its final form.

SECTION 13: Disposal considerations

The media must be disposed of in accordance with national legislation (See Section 16) and local regulations. The material as supplied is classed as a non-hazardous inert solid waste. Spent abrasive used as a blasting medium must be disposed of under classification 12 01 16 (waste blasting material containing dangerous substances) or 12 01 17 (waste blasting material other than those mentioned in 12 01 16). The waste producer must determine if hazardous substances in the coating being removed are likely to cause the waste to be hazardous.

SECTION 14: Transport Information

14.1 Land Transport

Not classified according to Transport Regulations for Hazardous/Dangerous goods

14.2 Marine Transport (IMO/IMDG)

Not classified according to Transport Regulations for Hazardous/Dangerous goods

14.3 Air Transport (IATA)

Not classified according to Transport Regulations for Hazardous/Dangerous goods

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for substance or mixture

The product is not hazardous according to Directive 67/548/CE and 199/45/CE, OSHA's Federal Hazard.

Not subject to labelling in accordance with current regulations in force.

SECTION 16: Other Information

REACH Regulation: The products detailed herein are exempt for registration under REACH criteria (European Regulation 1907/2006) on the basis they are polymers,

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