

**MATERIAL SAFETY DATA SHEET****NATURAL AGGREGATES**

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BADENTOY ROAD
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SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION

- 1.1 Identification of the Substance: Natural Aggregates Sand and Gravel.
1.2 Trade Name: Sand and Gravel Bags.
1.3 Product Application: Subsea operations.

SECTION 2 - HAZARDS IDENTIFICATION

Not classified as hazardous according to Regulation (EC) N. 1272/2008 or European Directive 67/548/EEC as amended.

This product gives potential for generation of respirable dust during handling and use. Dust may contain respirable silica. Prolonged inhalation of respirable dust may cause lung fibrosis. Principal symptoms of lung fibrosis are cough and breathlessness. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled. Repeated inhalation of excessive amounts of respirable silica may cause silicosis.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

A blend of sand and gravel aggregates which may contain low levels, (5%) of respirable silica.

CAS No. 14808-60-7

EC No. 238-878-4

STOT RE 2; H373i

Xn; R48/20

SECTION 4 - FIRST AID MEASURES

- 4.1 Inhalation: If irritation occurs, move to fresh air. In cases of inflammation, seek medical advice.
- 4.2 Skin Contact: If skin contact occurs, wash the affected area thoroughly with soap and water before continuing. If irritation, pain or other skin trouble occurs, seek medical advice.
- 4.3 Eye Contact: In the event of eye contact occurring, wash eye immediately with plenty of fresh water and seek medical advice without delay.
- 4.4 Ingestion: Do not induce vomiting. Wash out mouth with water and give the patient plenty of water to drink. Seek medical attention if feeling unwell.



MATERIAL SAFETY DATA SHEET

NATURAL AGGREGATES

SECTION 5 - FIRE FIGHTING MEASURES

- 5.1 Fire Fighting Measures: The materials are not flammable and will not facilitate combustion with other materials.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions: Avoid skin and eye contact, avoid release of dust, provide for sufficient ventilation and sufficient protection against inhalation.
- 6.2 Environmental Precautions: Ensure spillage does not enter drainage systems.
- 6.3 Cleaning Up Method: Recover the spillage in a dry state if possible. Minimise generation of airborne dust.

SECTION 7 - HANDLING AND STORAGE

- 7.1. Handling: Avoid dust generation, contact with the eyes and skin.
- 7.2 Storage: No specific requirements.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Occupation Exposure Standards: 0.1mg/m³ 8 Hr Time Weighted Average (TWA).
4mg/m³ (respirable fraction), 10mg/m³ (total) 8hr TWA OEL nuisance dust.
- 8.2 Personal Protection
- a) Respiratory Protection: Inhalation of material should be avoided. Respiratory protection should be worn where airborne powder is present to ensure that personal exposure is less than OES.
- b) Hand and Skin Protection: Protective clothing should be worn which ensures that material does not come into direct contact with the skin. If permeable clothing becomes contaminated, it should be removed immediately and washed before further use. If material enters protective gloves or footwear, they should be removed immediately and washed out thoroughly.
- c) Eye Protection: Dust Proof Goggles should be worn wherever there is a risk of material entering the eye.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Physical and Chemical Properties:
- | | |
|-----------------|-----------------|
| Physical State: | Granular solid. |
| Odour: | N/A |
| pH: | NA |
| Viscosity: | N/A |
| Freezing Point: | N/A |
| Boiling Point: | N/A |
| Melting Point: | N/A |



MATERIAL SAFETY DATA SHEET

NATURAL AGGREGATES

Flash Point:	N/A (not flammable)
Explosive properties:	N/A
Relative Density:	2.0
Solubility:	Insoluble in water

SECTION 10 - STABILITY AND REACTIVITY

10.1 Stability:	Stable.
10.2 Conditions to Avoid:	None.
10.3 Materials to Avoid:	Mineral Acids.
10.4 Hazardous Products	Decomposition No hazardous decomposition products when stored and handled correctly.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Inhalation:	Acute inhalation of dusts may cause transient respiratory irritation. Chronic inhalation of amounts of respirable silica may cause silicosis.
11.2 Skin Contact:	Mild transient irritation and possible dermatitis.
11.3 Eye Contact:	Mild transient irritation.
11.4 Ingestion:	May be harmful if swallowed and can cause corrosion and ulceration of the oesophageal tract.
11.5 Chronic Effects:	Chronic exposure by inhalation may cause cough, breathlessness and lung fibrosis.

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Aquatic Toxicity Rating:	Not hazardous
12.2 Biological Oxygen Demand (BOD):	Not applicable.

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Disposal of Waste Materials:	Material is not classified as hazardous waste. Do not discharge into drains or watercourses.
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SECTION 14 - TRANSPORT/LABEL INFORMATION

Classification for sea or land conveyance is not required.

SECTION 15 - REGULATORY INFORMATION

15.1	No statutory safety labels are required for this material.
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MATERIAL SAFETY DATA SHEET

NATURAL AGGREGATES

SECTION 16 - OTHER INFORMATION

Text of H-codes and R-phases mentioned in section 3.

H373i	May cause damage to organs through prolonged and repeated exposure through inhalation
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.