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Safety Data Sheet

Section 1 Identification of the substance		
Product name: Oil Absorbent Granules	Chemical name: Oil shale ash	
Absorbent. This material should only be used for industrial purposes		
Section 2 – Hazard Identification		
Physical hazards: This product has no classification under CLP		
Skin contact: Dry product may cause irritation soreness and cracking of skin. For prolonged exposed, wet slurry can dry the skin and cause alkali burns.		
Eye contact: Irritation, redness, soreness.	Inhalation: Irritant dust.	Ingestion: Non toxic.
Hazard classification: Possible long-term effects of exposure: There are no known or foreseeable long-term effects. Long-term exposure to dust in excess of the OES (occupational exposure standard) should be avoided, in order to comply with regulations.		
2.2. Label elements This product has no label elements.		

Section 3 Chemical composition / information on ingredients			
Mineral composition:			
Calcite	CaCO ₃	30 - 40	%
Quartz	SiO ₂	1 - 3	%
Anhydride	CaSO ₄	10 - 15	%
Clay Minerals		36 - 53	%
Free Lime	CaO	1 - 2	%
Apatite	(Phosphate minerals)	5 - 6	%

Cas no.:
(RN) 93685-99-5

Chemical composition: (typical)

CaO	45.6	%
CO ₂	11.6	%
Al ₂ O ₃	8.0	%
Fe ₂ O ₃	3.5	%
SiO ₂	16.0	%
P ₂ O ₃	2.2	%
MgO	0.6	%
K ₂ O	0.4	%
Na ₂ O	0.7	%
SO ₃	8.5	%

Analyses will lightly vary dependent on the source of oil shale. Figures are quoted in % dry weight.

Section 4 - First Aid Measures:

Skin contact:

Flush thoroughly with water and if symptoms persist seek medical attention.

Eye contact:

Flush immediately and repeatedly with water at least 15 minutes and promptly seek medical attention.

Inhalation:

Remove person to fresh air, loosen clothing and seek expert medical advice.

Ingestion:

Drink plenty of water.

Section 5 - Fire-fighting measures:

Non- combustible.

Section 6 - Accidental Release Measures:

Sweep up spill product and dispose of in accordance with local regulations, avoid dust and if necessary wear a dust mask.

Section 7 - Handling and storage

Handling:

Handle using methods, which minimize creation of dust dispersion.
Ensure adequate ventilation at point of use.
Use a dust mask where ventilation is not sufficient to keep the dust levels within the OEL value.

Storage:

Store in a dry environment. Isolate to avoid contamination. Store away from substances subject to catalytic decomposition. Local exhaust can be used if necessary, to control air borne dust level.

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Section 8 - Exposure controls / Personal protection	
Hand Protection:	Skin protection:
Suitable barrier cream and impervious gloves should be available for prolonged exposure.	Use normal work wear. No further skin protection required.
Eye Protection	Respiratory Protection:
Wear safety glasses is not necessary but can be used.	The use of a respirator – dust mask is recommended in dusty environments, if dust exposure standards cannot be met.
Occupational Exposure Limit:	
<p>Dry powder calcium carbonate (the major constituent) is classed as a nuisance dust with an 8 hour T.W.A. for total inhaled dust - 10 mg M and 8 hour T.W.A. for respiratory dust (<50) - 5 mg M crystalline silica, present in minor quantities in this material has a mandatory M.E.L. (maximum exposure limit) of 0,4 mg M 8 hour T.W.A. respiratory dust.</p> <p>Analysis of the powdered material by HSE approved methods has shows the levels of crystalline silica in the respiration fraction of the dust to be <0,001% and this would give a value significantly lower than the M.E.L.</p> <p>Therefore the product can be considered to be a nuisance dust.</p>	

Section 9 - Physical and chemical properties:		
Appearance:	Odor:	pH:
Cream to gray granule, or powder.	Odorless	10,5 +/- 10%
Boiling point:	Melting point:	Flash point:
N/A	1200°C	N/A.
Flammability:	Explosive properties:	Oxidizing properties:
Non-flammable	Non-explosive	None
Vapor pressure:	Bulk density:	Solubility:
N/A	625 - 675 kg/m ³	Insoluble

Section 10 - Stability and reactivity		
Conditions to avoid:	Materials to avoid:	Hazardous decomposition products:
Avoid attrition or other physical damage, which can increase dust.	Product is stable. Avoid storage in contact with hydrogen peroxide or other materials whose decomposition is catalyzed by dust.	None

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Section 11 - Toxicology information

11.1. Information on toxicological effects

Skin contact: May cause irritation to skin if dry powder.
Eye contact: May cause irritation to eyes if dry powder.
Inhalation: May cause irritation to respiratory tract if dry powder.
Other: No known chronic effects. No known carcinogenicity.

Section 12 - Ecological information

There are no known ecological problems associated with this product.

Section 13 - Disposal considerations

Dispose of in accordance with local national regulations.

Section 14 - Transport information

Freight classifications: Not classified as hazardous.

Section 15 - Regulatory information

This product is not classed as a dangerous substance under the classifications, packaging and labeling of dangerous substance regulations. The above information complies with directive 88\379\EEC. Cosh regulations apply. Properties have been determined in accordance with the regulations of part A of annex V to directive 67\548\EEC.

Section 16 - Other information

Product can be used as an absorbent for livestock and pet substrate, oil spillage and acid neutralizer.