

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: PREMIUM ABSORBENT GRANULES

Article number: KU63

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

Product category: Absorbent. This material should only be used for industrial purposes.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: TYGRIS Industrial
Unit 31
Kyle Road Industrial Estate
Irvine
Ayshire
KA12 8LE
Tel +44 (0) 1294 311 066
Fax +44 (0) 1294 277 115
Email technical@tygrisindustrial.com

Further information obtainable from: Technical Department

1.4 Emergency telephone number: Tel +44 (0) 1294 311 066

2. Hazards identification

2.1. Classification of the substance or mixture

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.

2.3. Other hazards

3. Composition/information on ingredients

3.2. Mixtures

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.

4. First aid measures

4.1. Description of 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.
- Ingestion:** Drink plenty of water.
- Inhalation:** Remove person to fresh air, loosen clothing and seek expert medical advice.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

5. Firefighting measures

5.1 Extinguishing media

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Non-combustible.

5.3. Advice for fire-fighters

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Sweep up split product and dispose of in accordance with local regulations, avoid dust and if necessary wear a dust mask.

6.4. Reference to other sections

7. Handling and storage

7.1 Precautions for safe handling

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.

7.2. Conditions for safe storage, including any incompatibilities

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.

7.3. Specific end use(s)

8. Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

- Respiratory equipment:** The use of a respirator – dust mask is recommended in dusty environments, if dust exposure standards cannot be met.
- Hand protection:** Suitable barrier cream and impervious gloves should be available for prolonged exposure.
- Eye protection:** It is not necessary to wear safety glasses but they can be used.
- Skin protection:** Use normal work wear. No further skin protection required.
- Occupational exposure limit:** Dry powder calcium carbonate (the major constituent) is classed as a nuisance dust with an 8 hour T.W.A. for total inhale 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. 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. Therefore the product can be considered to be a nuisance dust.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Appearance:** Cream to grey granule, or powder
- Odour:** Odourless
- pH:** 10,5 +/- 10%
- Melting point:** 1200°C
- Flammability:** Non-flammable
- Explosive properties:** Non-explosive
- Bulk density:** 625 - 675 kg/m³
- Solubility:** Insoluble

9.2. Other information

10. Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid: Avoid attrition or other physical damage, which can increase dust.

10.5. Incompatible materials

Materials to avoid: Product is stable. Avoid storage in contact with hydrogen peroxide or other materials whose decomposition is catalyzed by dust.

10.6. Hazardous decomposition products

Haz. decomp. products: None

11. Toxicological 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.

12. Ecological information

Ecological information: There are no known ecological problems associated with this product.

13. Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of in accordance with local national regulations.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. Transport information

Transport class: This product does not require a classification for transport.

15. Regulatory information

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.

16. Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.