



1. DESCRIPTION

Trade Name: KWIK-SEAL F,M,C

Chemical Class: Mineral

Chemical Name: Mixture of sized muscovite and cellulosic fiber

Application: Lost Circulation Material in drilling fluid industry (Oil-based and Water-based Muds)

Supplier: TEAM Chemicals

Telephone: +44 (0)207 408 7700 - +98 912 371 7539

Address: No. 43, Souri St., 43 Ashrafi Esfahani Expressway

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients

Name	CAS RN	INT HAZ	%
mica	12001-26-2	None	Not spec
cellulose	9004-34-6	Xn (Harmful)	>60

3. HAZARD IDENTIFICATION

Potential Acute Health Effects:

SWALLOWED The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion".

EYE The dust may produce eye discomfort and abrasive eye inflammation.

SKIN May cause irritation.

INHALED May cause irritation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

Not considered a dangerous substance according to directive 1999/45/EC and its amendments.

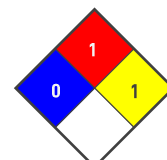
Irritant Yes **Flammable** No

Carcinogenic No **Oxidant** No

Explosive No **Environmental Hazard** No

Corrosive No

(Risk-Phrases) -





4. FIRST AID MEASURES

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

Skin Contact:

Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Inhalation:

If dust is inhaled, remove from contaminated area.

- Encourage patient to blow nose to ensure clear passage of breathing.

Ingestion:

- Immediately give a glass of water.
- First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Water spray or fog. Foam.

FIRE FIGHTING

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves for fire only.

FIRE/EXPLOSION HAZARD Will burn if ignited

FIRE INCOMPATIBILITY Avoid contamination with strong oxidizing agents as ignition may result.

PERSONAL PROTECTION

Glasses: Chemical goggles

Gloves: PVC chemical resistant type

Respirator: Particulate

6. ACCIDENTAL RELEASE MEASURES

Small Spill:

Clean up all spills immediately. Sweep up. Place in suitable containers for disposal.

Large Spill:

- No smoking, naked lights or ignition sources.
- Clear area of personnel and move upwind.
- Alert Fire Brigade and tell them location and nature of hazard.



Tiam Earth Advanced Materials

Revision No.: 6.2
Revision Date: 20.04.2021
Document Code: TE-101-207

Material Safety Datasheet

KWIK-SEAL F,M,C



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7. HANDLING AND STORAGE

Handling Precautions:

Avoid contact with eyes and skin. Provide good ventilation. Mechanical ventilation or local exhaust ventilation may be required. Do not use contact lenses.

Storage Precautions:

- No smoking, naked lights or ignition sources.
- Clear area of personnel and move upwind.
- Alert Fire Brigade and tell them location and nature of hazard.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS

UK Workplace Exposure Limits (WELs) mica (Mica - respirable) 0.8

UK Workplace Exposure Limits (WELs) mica (Mica - total inhalable) 10

UK Workplace Exposure Limits (WELs) cellulose (cellulose- inhalable dust): TWA (mg/m³) is 10

UK Workplace Exposure Limits (WELs) cellulose (cellulose- inhalable dust): STEL (ppm) is 20

PERSONAL PROTECTION

RESPIRATOR Particulate

EYE - Safety glasses with side shields; or as required, Chemical goggles.

HAND/FEET Wear chemical protective gloves. eg.

OTHER Overalls, Eyewash unit, Barrier cream.

ENGINEERING CONTROLS

Use in a well-ventilated area. Local exhaust ventilation is required where solids are handled as powders or crystals; even when particulates are relatively large, a certain proportion will be powdered by mutual friction. Exhaust ventilation should be designed to prevent accumulation and recirculation of particulates in the workplace

9. PHYSICAL & CHEMICAL PROPERTIES

Color: Silver/brown/black/grey

Odor: Odorless

pH: NA

Boiling Point: Not applicable

Melting/Freezing Point: Not available

Specific Gravity: 0.8-1.3

Solubility (Water): Insoluble



10. STABILITY & REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: None

Materials to Avoid: None

Special Remarks on Reactivity: None

Special Remarks on Corrosivity: Not determined

11. TOXICOLOGICAL INFORMATION

Oral (rat) LD50: >5000 mg/kg

Dermal (rabbit) LD50: >2000 mg/kg

Although ingestion is not thought to produce harmful effects (as classified under EC Directives), the material may still be damaging to the health of the individual, following ingestion, especially where pre-existing organ (e.g liver, kidney) damage is evident. Present definitions of harmful or toxic substances are generally based on doses producing mortality rather than those producing morbidity (disease, ill-health).

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: DO NOT discharge into sewer or waterways.

Toxicity of the Products of Biodegradation: Not available

13. DISPOSAL CONSIDERATION

WASTE MANAGEMENT:

Consult manufacturer for recycling options and recycle where possible .

Consult State Land Waste Management Authority for disposal.

DISPOSAL METHODS: According to the European Waste Catalogue, Waste Codes are not product specific but application specific. Waste Codes should be assigned by the User based on the application in which the product is used.



14. TRANSPORT INFORMATION

U.S. DOT Not a DOT controlled material (United States).

HAZCHEM: None

15. REGULATORY INFORMATION

Classification: Toxicity: refer to section 11 and 12.

Poisons Schedule (SUSMP): None allocated.

mica (CAS: 12001-26-2) is found on the following regulatory lists; EU Directive 2002/72/EC Plastic materials and articles intended to come into contact with foodstuffs - Annex III Section A Incomplete list of additives fully harmonized at Community level

European Union (EU) Inventory of Ingredients used in Cosmetic Products

UK Workplace Exposure Limits (WELs)

No data available for mica as CAS: 129899-84-9.

cellulose (CAS: 9004-34-6) is found on the following regulatory lists;

CODEX General Standard for Food Additives (GSFA) - Additives Permitted for Use in Food in General, Unless Otherwise Specified, in Accordance with GMP

EU Directive 2002/72/EC Plastic materials and articles intended to come into contact with foodstuffs - Annex II Section A: List of authorized monomers and other starting substances

EU Directive 2002/72/EC Plastic materials and articles intended to come into contact with foodstuffs - Annex III Section A Incomplete list of additives fully harmonized at Community level

European Inventory of Existing Commercial Substances - EINECS

European Union (EU) Inventory of Ingredients used in Cosmetic Products

European Union (EU) List of Dangerous Substances (Annex I) - up to the 29th ATP

European Union (EU) Restrictions on the Marketing and Use of Certain Dangerous Substances and Preparations

OECD Representative List of High Production Volume (HPV) Chemicals



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16. ADDITIONAL INFORMATION

Yearly Revised Primary MSDS

Update in Toxicological Information

Update in Ecological Information

This MSDS summaries to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. TEAM cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.



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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. TEAM Chemicals and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

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