



# Material Safety Datasheet

## OYSTER SHELL F, M, C

### 1. DESCRIPTION

**Trade Name:** OYSTER SHELL F,M,C

**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 3717539

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

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS RN	%
Calcium Carbonate (CaCO <sub>3</sub> )	471-34-1	-

### 3. HAZARD IDENTIFICATION

**SWALLOWED** May cause irritation.

**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.

The substance may be toxic to kidney. Repeated or prolonged exposure to the substance can target organs.

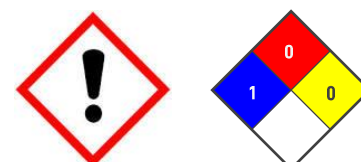
**Irritant** Yes **Flammable** No

**Carcinogenic** No **Oxidant** No

**Explosive** No **Environmental Hazard** No

**Corrosive** No

**(Risk-Phrases)** R-36 **(Safety-Phrases)** S-2, S-46





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### 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** There is no restriction on the type of extinguisher which may be used.

**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** When a mixture of OYSTER SHELE and magnesium is heated in a current of hydrogen, a violent explosion occurs.

**FIRE INCOMPATIBILITY** Will ignite and burn fiercely in contact with fluorine..

**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:**

Clear area of personnel and move upwind.

Alert Fire Brigade and tell them location and nature of hazard.



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### 7. HANDLING AND STORAGE

#### Handling Precautions:

- Avoid generating and breathing dust
- Avoid contact with eyes
- Avoid physical damage to containers
- When handling, DO NOT eat, drink or smoke
- Keep containers securely sealed when not in use
- Wash hands with soap and water after handling

#### Storage Precautions:

- Store in original containers
- Keep containers securely sealed

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### EXPOSURE CONTROLS

TWA: 10 (mg/m<sup>3</sup>) from ACGIH (TLV) [United States] Inhalation Total. TWA: 10 STEL: 20 (mg/m<sup>3</sup>) [Canada] Inhalation Total. TWA: 5 (mg/m<sup>3</sup>) from OSHA (PEL) [United States] Inhalation Respirable. TWA: 15 from OSHA (PEL) [United States]

#### 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



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### 9. PHYSICAL & CHEMICAL PROPERTIES

**Physical state and appearance:** granules

**Color:** White to pink

**Odor:** Odorless

**pH:** Not determined

**Boiling Point:** Not applicable

**Melting/Freezing Point:** 825°C (1517°F)

**Specific Gravity:** 2.6-2.8

**Solubility (Water):** Insoluble

### 10. STABILITY & REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** Avoid wet and humid conditions

**Materials to Avoid:** Reactive with oxidizing agents, acids..

**Special Remarks on Reactivity:** Hygroscopic. Will ignite and burn fiercely in contact with fluorine. Incompatible with acids, alum, ammonium salts, mercury+ hydrogen, aluminum and magnesium.

**Special Remarks on Corrosivity:** Not determined

### 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (LD50): 6450 mg/kg [Rat].

**Chronic Effects:** May cause damage to the following organs: kidneys.

### 12. ECOLOGICAL INFORMATION

**Ecological Information:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation** The product itself and its products of degradation are not toxic.

### 13. DISPOSAL CONSIDERATION

**WASTE MANAGEMENT:** Not Determined

**DISPOSAL METHODS:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.



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### 14. TRANSPORT INFORMATION

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

### 15. REGULATORY INFORMATION

**Classification:** Toxicity: refer to section 11 and 12.

**Poisons Schedule (SUSMP):** None allocated.

This material is listed on the international standard such as OHSAS 18001:2007.CAS: 12198-92-4.

### 16. ADDITIONAL INFORMATION

3 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.