



1. DESCRIPTION

Trade Name: NUT-PLUG LCM F,M,C

Chemical Name: Sized Walnut Shells

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	INT HAZ	%
crushed nutshell	481-39-0	T	100

3. HAZARD IDENTIFICATION

Potential Acute Health Effects:

SWALLOWED

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

EYE

Wash out immediately with fresh running water.

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 67/548/EEC and its amendments.



Irritant Yes

Flammable No

Carcinogenic No

Oxidant No

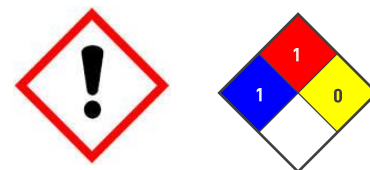
Explosive No

Environmental Hazard No

Corrosive No

(Risk-Phrases) -

(Safety-Phrases) -



4. FIRST AID MEASURES

Eye Contact:

If this product comes in contact with the eyes:

- Wash out immediately with fresh running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.

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 Solid which exhibits difficult combustion or is difficult to ignite. Avoid generating dust.

FIRE INCOMPATIBILITY Avoid contamination with strong oxidizing agents

PERSONAL PROTECTION **Glasses:** Chemical goggles **Gloves:** PVC chemical resistant type

Respirator: Particulate



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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.

7. HANDLING AND STORAGE

Handling Precautions: Limit all unnecessary personal contact. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area

Storage Precautions: Avoid storage with oxidizers and strong alkalis.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS Not determined.

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

Physical state and appearance: Solid Granular

Color: Brown

Odor: Odorless

pH: NA

Boiling Point: Not applicable

Melting/Freezing Point: Not available

Specific Gravity: 1.2-1.4

Solubility (Water): Insoluble



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10. STABILITY & REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: Excessive heat and ignition sources

Materials to Avoid: Oxidizers

Special Remarks on Reactivity: None

Special Remarks on Corrosivity: Not determined

11. TOXICOLOGICAL INFORMATION

Walnut Shell is an organic product and not subject to TSCA requirements.

Oral (rat) LD50: 112 mg/kg

Oral (mouse) LD50: 2.5 mg/kg

Intraperitoneal (mouse) LD50: 25 mg/kg

12. ECOLOGICAL INFORMATION

Ecological Information: No data for Walnut Shells.

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

13. DISPOSAL CONSIDERATION

Waste Management: · Recycle wherever possible or consult manufacturer for recycling options.

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: NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS:ADR, IATA,IMDG



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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.

16. ADDITIONAL INFORMATION

Ingredient Name: mica

CAS: 12001-26-2, 129899-84-9

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.



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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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