



MSDS

MATERIAL SAFETY DATA SHEET

Section 1-Identification of the substance/mixture and of the company/undertaking

Product details:

-Product name: Inorganic modified biodegradable material(MU Material)

-product Model: i.e.MU-Z017 ...

-Trademarks: /

SUMMARY:

MSDS conforms to the requirement of regulation, evaluation, authorization and restriction of chemicals(REACH)(Regulation(EC)No.453/2010) and classification, Labeling and packaging of substances and mixtures (Regulation(EC) No.1272/2008)

-Manufacturer/Supplier:

Shanlian(changxing)New materials Co.,Ltd.

Langshan Industrial Park, Changxing, Zhejiang

-Further information obtainable from:



Shanlian(changxing)New materials Co.,Ltd.

Langshan Industrial Park, Changxing, Zhejiang

-Information in case of emergency

Shanlian(changxing)New materials Co.,Ltd.

Langshan Industrial Park, Changxing, Zhejiang

Section 2-Hazards Identification

Hazard Classification: Not a hazardous substance or mixture, as defined by the Globally Harmonized System of Classification and Labelling of Chemicals(GHS).

Hazard statement: No danger in normal use.

Invasive Routes: Inhalation, ingestion or skin contact.

Environmental hazards: it is toxic to aquatic organisms and may cause long-term damage to water bodies.

Section 3-Composition/Information on Ingredient



Chemical Name	CAS No.	In % By Weight
Calcium carbonate	471-34-1	55-75%
Modified biodegradable polymer(PMU)	-	20-40%
Mixed additives		5%

Section 4-First Aid Measures

Skin touch: No such exposure hazard is expected in normal use.

Eyes touch: No such exposure hazard is expected in normal use.

Inhalation: No such exposure hazard is expected in normal use.

Ingestion: Swallow small objects, seek medical attention immediately.

Section 5-Fire Fight Measures

Hazardous properties: Smoke may be produced when burning or heated.



Fire extinguishing method and extinguishing agent: Use foam, dry powder and carbon dioxide

Fire extinguishing precautions: Fries in confined Spaces should be handled by trained personnel wearing oxygen masks and acid resistant fire resistant protective clothing.

Section 6-Accidental Release Measures

Method of exclusion: Quickly evacuate the contaminated area to the upper wind, and isolation, strict restrictions on access. Avoid contact and inhalation. It is recommended that emergency personnel wear self-contained positive breathing apparatus and general working clothes. Cut off the leakage source as much as possible. Reasonable ventilation and accelerated diffusion. Use sand gas inert material for bedding. Ensure effective ventilation.

Environmental protection measures: No material shall be discharged into the surrounding environment without permission, and shall be disposed of in accordance with the provisions of environmental laws.

Section 7-Handling and Storage Measures



Precautions: Closed operation, overall ventilation. Operators must be specially trained and strictly abide by the operating procedures. Operators are advised to wear protective glasses. Avoid contact with oxidants and reductants. Care must be taken in handling to avoid damaging the packing and containers. Equipped with the corresponding variety and quantity of fire equipment and leakage emergency treatment equipment.

Storage precautions: Store in cool and ventilated warehouse. Stay away from fire and heat sources. It should be stored separately from oxidants and acids, and avoid mixing. Equipped with the corresponding variety and quantity of fire equipment. The storage area shall be equipped with emergency leak treatment equipment and appropriate storage materials.

Section 8-Exposure Controls/Personal Protection

Engineering controls: Closed operation and full ventilation. Provide emergency eyewash and shower equipment.

Eye protection: Generally do not need special protection.

Skin protection: Generally do not need special protection.



Hand protection: Generally do not need special protection.

Breath protective: Respiratory protection: such protection is generally not required, When the concentration of dust in the air is high, it is recommended to wear self-absorbing filter dust masks.

Other protective: Smoking, eating and drinking water are prohibited at the workplace. Finished work, shower and changing clothes.

Section 9-Chemical and Physical Properties

Appearance and traits	Solid	Gas taste	No data
pH	No data	Melting point(°C)	No data
Viscosity	No Applicable	Density(water=1)	No data
Solubility	Not dissolve in water	N-octanol/water partition coefficient	No data

Section 10-Stability and Reactivity



Stability: These products are stable and do not cause dangerous reactions under normal operating conditions.

Conditions/materials to avoid: High temperature, naked flame.

Polymerization hazard: No polymerization.

Hazardous decomposition products: Carbon monoxide, carbon dioxide.

Section 11-Toxicological information

Toxicokinetics: No information

Acute toxicity: No information

Metabolism: No information

Irritation: No information

Corrosivity: No information



Sensitisation: No information

Repeated does toxicity: No information

Others: Stable during normal operation conditions.

Section 12-Ecological Information

Environmental assessment: Properly use and disposal are not expected to have any adverse impact on the environment.

Degradability: Stable during normal operation conditions.

Section 13-Disposal Considerations

Disposal measures: Managed in accordance with approved local, state and federal requirements. Consult state environmental agency and/or federal EPA. Recover using as local rules or laws.



Used material: Approved waste collecting, sent to the designated waste disposal point.

Section 14-Transport Information

IMDG-CODE

UN No.: No data

UN transport name: MU Degradable Mineral Material

Hazards clacification: No data

Marine pollutant(Y/N): N

Packing level: No data

Packing method: Installed in sealed containers such as fuel tanks, iron pipes, and plastic drums.

Shipping note: Packing to be complete when shipped, loading should be safe. Do not mix with acids, halogens, etc. In transit should prevent exposure to the sun, rain, anti-high



temperature.

ICAO/IATA-DG

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UN transport name: MU Degradable Mineral Material

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Shipping note: Packing to be complete when shipped, loading should be safe. Do not mix with acids, halogens, etc. In transit should prevent exposure to the sun, rain, anti-high temperature.

ICAO/IATA Classification: Not controlled under IATA.



International transport regulations: transported in accordance with general cargo regulations.

The mode of transportation: Air, sea, railway and highway.

Section 15-Regulatory information

《Dangerous Goods Regulation》

《Recommendations on Transport of Dangerous Goods Model Regulations》

《International Maritime Dangerous Goods》

《Technical Instructions for the Safe Transport of Dangerous Goods》

《Classification and code of dangerous goods》

《Occupational Safety and Health Act》 (OSHA)

《Toxic Substances Control Act》 (CPSA)

《Federal Environmental Pollution Control Act》 (FEPCA)

《The Oil pollution Act》 (OPA)

《Superfund Amendments and Reauthorization Act III(302/311/312/313)》 (SARA)

《Resource Conservation and Recovery Act》 (RCRA)

《Safety Drinking Water Act》 (CWA)

《California Proposition 65》

《Code of Federal Regulations》 (CFR)



In accordance with all Federal, State and local laws.

Section 16-Other Information

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose

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