

Section 1: Product and Company ID

1.1 Product identifiers

Product name: Rite-MixMS

Company: DrillRite-Chem LLC 702 Blackjack St Winnsboro, TX 75494 (903)262-0078

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

Section 2: Hazards Identification

2.1 Classification of the substance GHS Classification in

accordance with 29 CFR 1910 (OSHA HCS)

- Acute toxicity, Oral (Category 5)
- Skin corrosion/irritation (Category 3)
- Serious eye damage/eye irritation (Category 2A)

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

WARNING

Hazard statement(s)

May form combustible dust concentrations in air

Precautionary statement(s)

- H350 -- May Cause Cancer
- H372 -- Causes Damage to organs through prolonged or repeated exposure
- H303 May be harmful if swallowed.
- H316 Causes mild skin irritation. H319 Causes serious eye irritation H332 - Harmful if inhaled.
- P201 -- Obtain special instructions before use
- P202 -- Do not handle until all safety precautions have been read and understood P234 - Keep only in original container.
- P260 -- Do not breathe dust/fume/gas/mist/vapors/spray
- P264 -- Wash face, hands and any exposed skin thoroughly after handling P270 -- Do not eat, drink, or smoke when using this product
- P280 -- Wear protective gloves/protective clothing/eye protection/face protection
- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P332+P313 - If skin irritation occurs: Get medical advice/attention
- P337+P313 - If eye irritation persists: Get medical advice/attention

Precautionary statement(s)

- P362 - Take off contaminated clothing and wash before reuse
- P308 + P313 + P314 - IF exposed or concerned: Get medical advice/attention if you feel unwell
- P402+P405 -- Store in a dry place. Store locked up
- P501 -- Dispose of contents/container in accordance with local/regional/national/international regulations

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS
Combustible dust

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Hazardous components Component	CAS-No.	EC-No.	Synonyms	Classification	Concentration
Magnesium Compound	Proprietary	n/a	Magnesium Compound	n/a	Proprietary
Sodium Compound	Proprietary	n/a	Sodium Compound	n/a	Proprietary
Aluminum Compound	Proprietary	n/a	Aluminum Compound	n/a	Proprietary
Crystalline silica, quartz	14808-60-7	238-878-4	Quartz	Carc. 1A (H350) STOT RE 1 (H372)	< 2%

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

Remove victim to fresh air. Consult medical personnel.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Immediately flush with plenty of water for a t least 15 minutes. Get medical attention.

If swallowed

Flush oral cavity and give one or two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person).

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

Product may irritate eyes, skin, mucuous membranes and upper respiratory tract with overexposure. Prolonged inhalation (chronic) of dust may result in lung damage.

5. FIREFIGHTING MEASURES

- 5.1 Extinguishing media Suitable extinguishing media**
Suitable for all regular extinguishing materials. Do not use high pressure water jet.
- 5.2 Special hazards arising from the substance or mixture** Nature of decomposition products not known.
- 5.3 Advice for firefighters**
Wear self-contained breathing apparatus for firefighting if necessary. **5.4**

Further information

Hazardous combustible products; hazardous decomposition products formed under fire conditions - carbon oxides, sodium oxides-

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**
Avoid creating dust. Use MSHA-NIOSH approved respirator for dusts, mists and fumes whose TLV is greater than 0.05 mg/m³.
Avoid breathing vapours, mist, or gas.
For personal protection see section 8.
- 6.2 Environmental precautions** None known
- 6.3 Methods and materials for containment and cleaning up** Prevent discharges to streams or sewer systems.
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable close containers for disposal.
- 6.4 Neutralizing Chemicals:**
Dilute Acid.
- 6.5 Reference to other sections** For disposal see section 13.

7 HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.
Provide appropriate exhaust ventilation at places where dust is formed.
For precautions see section 2.2.
- 7.2 Conditions for safe storage, including any incompatibilities** Keep container tightly closed in a dry and well-ventilated place. hygroscopic, Air and moisture sensitive. Keep in a dry place. Storage class (TRGS 510): Non Combustible Solids
- 7.3 Specific end use(s)**
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	CAS-No.	Value	Control parameters	Basis
Magnesium compound	Proprietary	TWA	10 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Upper Respiratory Tract irritation metal fume fever Not classifiable as a human carcinogen		
		TWA	10.000000 mg/m3 (TLV)	USA. ACGIH Threshold Limit Values
		Upper Respiratory Tract irritation metal fume fever Not classifiable as a human carcinogen		
		TWA	15.000000 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		See Appendix D - Substances with No Established RELs		
		TWA	15.000000 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
Sodium compound	Proprietary	none	none	none
Aluminum compound	Proprietary	ACGIH TLV	10 mg/m3	Al
		OSHA PEL	15 mg/m3	Total
			5 mg/m3	Respirable (Al)
Crystalline silica, quartz	14808-60-7	OSHA PELTWA	10 mg/m3 % SiO ₂ + 2	Respirable
		ACGIH TLV-TWA	0.025 mg/m3	Respirable

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION (cont'd)

8.1 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment**Eye/face protection**

protection system employed.

Skin protection

respiratory

Use chemical splash goggles and face shield. Eye protection worn must be compatible with

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Where splash is possible, full chemically resistant protective clothing and boots are required. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- | | |
|------------------------|---------------------------------|
| a) Appearance | e) Melting point/freezing point |
| b) Odour boiling range | c) Odour Threshold |
| d) pH | f) Initial boiling point and |
| | g) Flash point |
| | h) Evaporation rate |

SAFETY DATA SHEET

- i) Flammability (solid, gas) Insoluble
- j) Upper/lower flammability or explosive limits No data available
Not Known
- k) Vapour pressure
- l) Moisture % No data available
- m) Relative density
- n) Water solubility No data available
- o) Partition coefficient: n - No data available octanol/water No data available
- p) Auto-ignition temperature
- q) Decomposition temperature
- r) Viscosity
- s) Explosive properties
- t) Oxidizing properties

9.2 Other safety information

No data available Form

: Solid, powder

Color : white to off-white

Odorless

No data available

10.9 - 11.9 >

500°C

No data available

Not known

No data available

Carbon monoxide and carbon dioxide may form on combustion.

No data available

No data available

< 3 %

Uncompact: (45-65) Compact: (65-85)

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10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Mixture with strong acids produces considerable heat.

10.5 Incompatible materials

Avoid contact with the following: copper, tin, zinc, aluminum, and their alloys.

Hazardous decomposition products

Will not occur

10.6 In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

No data available

Inhalation

May be harmful if inhaled. May cause respiratory tract irritation.

Skin corrosion/irritation

May be harmful if absorbed through skin. May cause skin irritation

Serious eye damage/eye irritation

May cause eye irritation.

Respiratory or skin sensitization

May be harmful if inhaled. May cause respiratory tract irritation.

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

11. TOXICOLOGICAL INFORMATION (cont'd)

Reproductive toxicity

No data available

Specific target organ toxicity-single exposure

No data available

Specific target organ toxicity-repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

Ingestion or inhalation of large quantity may cause feverish reaction and leukocytosis-diarrhea.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1 Aquatic Toxicity

Trout (*Oncorhynchus mykiss*) 96 hr Static Acute Test passes at LC50-379 (PPM)

12.2 Persistence and degradability

No data available

Bioaccumulative potential

No data available

12.3

Mobility in soil

No data available

12.4

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.5

Other adverse effects

When released into the soil, this material is not expected to biodegrade and may leach into groundwater.

12.6

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Do not allow residue to flow into drainage system. Waste disposal according to regulations of responsible local authority.

Contaminated packaging

Waste disposal according to regulations of responsible local authority.

14. TRANSPORT INFORMATION

DOT (US)

Not regulated for transportation by DOT, TDG, IMDG, ICAO/IATA

IMDG

Not regulated for transportation by DOT, TDG, IMDG, ICAO/IATA

IATA

Not regulated for transportation by DOT, TDG, IMDG, ICAO/IATA

15. REGULATORY INFORMATION

SARA 302 Components

None. If no components are listed below, this product is not subject to the referenced SARA and regulations.

SARA 313 Components

None. If no components are listed below, this product is not subject to the referenced SARA and regulations. **SARA 311/312**

Hazards

Delayed/Chronic Health Hazard

Massachusetts Right To Know Components Does

not apply.

Pennsylvania Right To Know Components

Does not apply.

New Jersey Right To Know Components Does

not apply.

16. OTHER INFORMATION

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 5)

Skin corrosion/irritation (Category 3)

Serious eye damage/eye irritation (Category 2A)

Full text of H-Statements referred to under sections 2 and 3.

H350 -- May Cause Cancer

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Causes serious eye irritation H332 -

Harmful if inhaled.

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SAFETY DATA SHEET

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SAFETY DATA

SHEET 16. OTHER INFORMATION (CONT'D)

P362 - Take off contaminated clothing and wash before reuse

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P501 -- Dispose of contents/container in accordance with local/regional/national/international regulations

HMIS Rating

Health hazard : 1

Chronic Health Hazard :

Flammability : 0

Physical Hazard 0



NFPA Rating

Health hazard : 1

Fire Hazard : 0

Reactivity Hazard : 0

Further information

The information presented herein is based on the best data available and is believed to be correct. However, nothing stated in this information is to be taken as warranty, expressed or implied, regarding the accuracy of the information or the use of our product; nor shall anything contained herein be construed to constitute a permission or recommendation to practice any invention covered by patent or patent application, or know-how owned by enventives, LLC, any of its divisions, or by others, without a license by the owner of the patent, patent application, or know-how.

Preparation Information

enventives, LLC.

Product Safety – Americas Region

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