

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name	Toughrock® All-Purpose Semi-Lightweight READY MIX™ Joint Compounds
Product use	Premixed compound for finishing gypsum board joints and spotting fasteners
Product list	See Product List found in Section 16
Manufacturer information	Georgia-Pacific Gypsum LLC 133 Peachtree Street, NE Atlanta, GA 30303 MSDS Request 404.652.5119 Technical Information 800.225.6119 Chemtrec - Emergency 800.424.9300

2. Hazards Identification

Emergency overview	CAUTION! Crushing, mixing, sanding or otherwise working with this product may generate large amounts of dust. Dust can be irritating to eyes, skin and respiratory system.
Potential health effects	
Eyes	Dust may cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Skin	Handling can cause dry skin. Dust may cause skin irritation.
Inhalation	Dusts of this product may cause irritation to the nose, throat, or respiratory tract.
Ingestion	Not applicable under normal conditions of use. May result in obstruction or temporary irritation of the digestive tract.

3. Composition / Information on Ingredients

Components	CAS #	Percent
LIMESTONE (CALCIUM CARBONATE)	1317-65-3	30 - 60
WATER	7732-18-5	30 - 60
ATTAPULGITE	8031-18-3	1 - 5
CRYSTALLINE SILICA (QUARTZ)*	14808-60-7	1 - 5
MICA	12001-26-2	1 - 5
PERLITE	93763-70-3	1 - 5
TALC	14807-96-6	0.5 - 1.5

Composition comments	Limestone (calcium carbonate), mica, talc, perlite and attapulgite contain naturally occurring crystalline silica (quartz) which is listed as a lung carcinogen. See Section 8 for exposure information. *The weight percent for crystalline silica represents total crystalline silica and not the respirable fraction. Testing conducted by Georgia-Pacific did not detect respirable crystalline silica during activities associated with the normal use of this product; however, jobsite air monitoring should be conducted to determine actual exposure when permissible exposure limits may be exceeded.
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4. First Aid Measures

First aid procedures	
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.
Skin contact	For skin contact, wash immediately with soap and water. Get medical attention if irritation develops or persists.
Inhalation	Remove to fresh air. If symptoms persist, get medical attention.
Ingestion	May result in obstruction and irritation if ingested. Get medical attention.

5. Fire Fighting Measures

Flammable properties	Not flammable by OSHA/WHMIS criteria.
Extinguishing media	
Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Fire fighting equipment/instructions	Firefighters should wear full protective clothing including self contained breathing apparatus.
Explosion data	
Sensitivity to static discharge	Not applicable.
Sensitivity to mechanical impact	Not applicable.
Hazardous combustion products	May include and are not limited to: oxides of carbon.

6. Accidental Release Measures

Personal precautions	Use personal protection recommended in Section 8. Keep unnecessary personnel away from the release.
Environmental precautions	Keep out of drains, sewers, ditches, and waterways.
Methods for containment	Contain the spill, then place in a suitable container. Minimize dust generation.
Methods for cleaning up	Scoop up material and place in a disposal container. Utilize wet methods, if appropriate, to minimize dust.

7. Handling and Storage

Handling	Avoid contact with skin and eyes. Use only in well-ventilated areas. Handle and open container with care. Wear appropriate NIOSH approved dust mask or filtering facepiece if dust is generated. Do not eat or drink while using the product. Wash hands before eating, drinking, or smoking.
Storage	Keep the container tightly closed and dry. Store in a covered, dry, climate controlled area, away from incompatibles.

8. Exposure Controls / Personal Protection

Occupational exposure limits

ACGIH

Components	Type	Value	Form
CRYSTALLINE SILICA (QUARTZ)* (14808-60-7)	TWA	0.025 mg/m3	(Respirable fraction)
MICA (12001-26-2)	TWA	3 mg/m3	Respirable fraction.
TALC (14807-96-6)	TWA	2 mg/m3	Respirable fraction.

U.S. - OSHA

Components	Type	Value	Form
CRYSTALLINE SILICA (QUARTZ)* (14808-60-7)	TWA	4.3 mg/m3	Total dust.
LIMESTONE (CALCIUM CARBONATE) (1317-65-3)	PEL	1.4 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
MICA (12001-26-2) TALC (14807-96-6)	TWA	5 mg/m3	(Respirable fraction)
		5 mg/m3	Respirable fraction.
		20 mppcf	
		20 mppcf	
		0.3 mg/m3	Total dust.
		2.4 mppcf	Respirable.
		0.1 mg/m3	Respirable.

Exposure guidelines	<p>The US OSHA exposure limits for CRYSTALLINE SILICA (QUARTZ) are calculated from the following equations: $30/(\%SiO_2+2)$ mg/m³ for total dust; and $10/(\%SiO_2+2)$ mg/m³ for the respirable fraction.</p> <p>*The weight percent for crystalline silica represents total crystalline silica and not the respirable fraction. Testing conducted by Georgia-Pacific did not detect respirable crystalline silica during activities associated with the normal use of this product; however, jobsite air monitoring should be conducted to determine actual exposure when permissible exposure limits may be exceeded.</p>
Engineering controls	When using product, provide local and general exhaust ventilation to keep airborne dust concentrations below exposure limits. Use wet methods, if appropriate, to reduce the generation of dust.
Personal protective equipment	
Eye / face protection	Safety glasses or goggles are recommended when using this product. Ensure compliance with OSHA's PPE standards (29 CFR 1910.132 (general) and 133 (eye and face protection)). Safety shower/eye wash fountain is recommended in the workplace area (29 CFR 1910.151(c)).
Skin protection	Impervious protective clothing and gloves recommended to prevent drying or irritation of skin. Ensure compliance with OSHA's PPE standards (29 CFR 1910.132 (general) and 138 (hand protection)). Safety shower/eye wash fountain is recommended in the workplace area (29 CFR 1910.151 (c)).
Respiratory protection	A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

9. Physical & Chemical Properties

Appearance	Paste-like compound
Color	Light grey to white
Form	Solid
Odor	Low odor
Odor threshold	Not available
pH	8 - 10
Freezing point	Not available
Boiling point	Not applicable
Flash point	Not applicable
Evaporation rate	Not available
Flammability	Not flammable
Flammability limits in air, upper, % by volume	Not applicable
Flammability limits in air, lower, % by volume	Not applicable
Vapor pressure	Not applicable
Vapor density	Not available
Specific gravity	1.2 - 1.4
Partition coefficient (n-octanol/water)	Not available
Solubility (water)	1.5 % @ 22°C
Auto-ignition temperature	Not applicable

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions of reactivity	Contact with strong acids produces carbon dioxide.
Incompatible materials	Acids.
Hazardous decomposition products	May include and are not limited to: oxides of carbon when heated to decomposition.
Possibility of hazardous reactions	Not expected under normal conditions of use.

11. Toxicological Information

Toxicological information	No toxicological data available for this product. Toxicological information for components of this product is listed below.
Routes of exposure	Skin contact. Eye contact. Inhalation.
Sensitization	Not expected to be hazardous by OSHA/WHMIS criteria.
Chronic effects	Not expected to be hazardous by OSHA/WHMIS criteria.
Carcinogenicity	Hazardous by OSHA/WHMIS criteria.

Exposure to respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by IARC and NTP as a lung carcinogen. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to a respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of respirable crystalline silica exposure and the length of time (usually years) of exposure.

ACGIH Carcinogens

CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7) US ACGIH Threshold Limit Values: A2 carcinogen

IARC Monographs Overall Evaluation of Carcinogenicity

CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7) 1 Volume 68, Volume 100C
TALC (CAS 14807-96-6) 2B Volume 93
3 Volume 42, Supplement 7, Volume 93

Mutagenicity	Not expected to be hazardous by OSHA/WHMIS criteria.
Reproductive effects	Not expected to be hazardous by OSHA/WHMIS criteria.
Teratogenicity	Not expected to be hazardous by OSHA/WHMIS criteria.
Synergistic materials	Not available.

12. Ecological Information

Ecotoxicity	This material is not expected to be harmful to aquatic life.
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13. Disposal Considerations

Disposal instructions	This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.
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14. Transport Information

DOT

Not regulated as dangerous goods.

TDG

Not regulated as dangerous goods.

15. Regulatory Information

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Section 313 hazardous chemical No

US federal regulations	The components of this product are not subject to TSCA 12(b) Export Notification.
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Canadian regulations

Canada WHMIS Ingredient Disclosure: Threshold limits

CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7)	1 %
MICA (CAS 12001-26-2)	1 %

WHMIS status Non-controlled

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Product list

Toughrock® All-Purpose Lightweight Machine Mix Joint Compound (Gold)	Q-987
Toughrock® All-Purpose Lightweight READY MIX™ Joint Compound (Regular)	Q-988
Toughrock® All-Purpose Semi-Lightweight READY MIX™ Joint Compound	Q-989
Toughrock® All-Purpose Super White Semi-Lightweight READY MIX™ Joint Compound	Q-990
Private Brand Light Joint Compound	Q-987

HMIS® ratings Health: 1
Flammability: 0
Physical hazard: 0

NFPA ratings Health: 1
Flammability: 0
Instability: 0

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Prepared by Georgia-Pacific LLC
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