



MATERIAL SAFETY DATA SHEET

SHEETROCK® Acoustical Sealant

MSDS #61-920-001

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SECTION 1 CHEMICAL PRODUCT AND IDENTIFICATION

United States Gypsum Company
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A Subsidiary of USG Corporation

Product Safety: 1 (800) 507-8899
www.usg.com
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PRODUCT(S) SHEETROCK® Acoustical Sealant

**CHEMICAL FAMILY /
GENERAL CATEGORY** Sealant

SYNONYMS Sealant

SECTION 2 HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

⚠WARNING!

This product is not expected to produce any unusual hazards during normal use. Direct contact or exposure to high vapor levels may irritate the skin, eyes, nose, throat, or upper respiratory tract. Exposure to high vapor levels of ethylene glycol may cause slight headache, dizziness, nausea, drowsiness, and/or stupor.

POTENTIAL HEALTH EFFECTS (See Section 11 for more information)

ACUTE :

Inhalation	Direct contact or exposure to high vapor levels during the handling or use of the product may irritate eyes, skin, nose, throat, and upper respiratory tract. Labored breathing may occur after excessive inhalation. If respiratory symptoms persist, consult physician. Inhalation of vapors can be harmful and may cause headache, nausea, dizziness and lightheadedness. Exposure to vapors can cause irritation of eyes, nose, throat and upper respiratory tract. If respiratory symptoms persist, consult physician. Breathing of ethylene glycol vapors can cause slight headache, dizziness, nausea, drowsiness, and/or stupor. Exposure to high vapor levels may irritate the nose, throat, or upper respiratory tract. Labored breathing may occur after excessive inhalation. If respiratory symptoms persist, consult physician. Breathing of butyl benzyl phthalate vapors can cause slight headache, dizziness, nausea, drowsiness, and/or stupor.
Eyes	Direct contact or vapors can cause irritation of eyes. If burning, redness, itching, pain or other symptoms persist or develop, consult physician. Airborne dust created when sanding a surface coated with this product or direct contact can cause mechanical and/or chemical irritation of eyes. If burning, redness, itching, pain or other symptoms persist or develop, consult physician. Ethylene glycol vapors may cause slight temporary eye irritation. Butyl benzyl phthalate vapors may cause slight temporary eye irritation.
Skin	None known.
Ingestion	This product is not intended to be ingested. May be harmful if ingested. If accidentally swallowed, consult physician. If ingested may cause gastrointestinal discomfort including nausea, vomiting, lethargy, and diarrhea and may be fatal.

CHRONIC:

Inhalation Animal studies indicate that prolonged and repeated overexposure to ethylene glycol may cause kidney and/or liver damage and birth defects. Overexposure is highly unlikely at concentrations



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	present in this product. Prolonged and repeated exposure to butyl benzyl phthalate may cause nervous system damage. Exposures to respirable crystalline silica are not expected during the normal use of this product; however, actual levels must be determined by workplace hygiene testing. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer. The development of silicosis may increase the risks of additional health effects. The risk of developing silicosis is dependent upon the exposure intensity and duration. None known.
Eyes	None known.
Skin	Butyl benzyl phthalate may be absorbed through the skin. Avoid longterm contact of the product with skin. Long-term chronic skin absorption of butyl benzyl phthalate may cause nervous system damage.
Ingestion	None known. This product is not intended to be eaten. Wash hands before eating.

TARGET ORGANS: Eyes, skin and respiratory system.

PRIMARY ROUTES OF ENTRY: Inhalation, eyes and skin contact.

CARCINOGENICITY CLASSIFICATION OF INGREDIENT(S) All substances listed are associated with the nature of the raw materials used in the manufacture of this product and are not independent components of the product formulation. All substances, if present, are at levels well below regulatory limits. See Section 11: Toxicology Information for detailed information.

MATERIAL	IARC	NTP	ACGIH	CAL- 65
Acetaldehyde	2B	2	A3	Listed
Formaldehyde	1	2	A2	Listed
1,4 Dioxane	2B	2	A3	Listed
Acetaldehyde	2B	2	A3	Listed
Crystalline silica	1	1	A2	Listed

IARC - International Agency for Research on Cancer: 1- Carcinogenic to humans; 2A – Probably carcinogenic to humans; 2B – Possibly carcinogenic to humans; 3 - Not classifiable as a carcinogen; 4 – Probably not a carcinogen

NTP – National Toxicology Program (Health and Human Services Dept., Public Health Service, NIH/NIEHS): 1- Known to be carcinogen; 2- Anticipated to be carcinogens

ACGIH – American Conference of Governmental Industrial Hygienists: A1 – Confirmed human carcinogen; A2 – Suspected human carcinogen; A3 – Animal carcinogen; A4 - Not classifiable as a carcinogen; A5 – Not suspected as a human carcinogen

CAL-65 – California Proposition 65 “Chemicals known to the State of California to Cause Cancer”

Respirable crystalline silica: IARC: Group 1 carcinogen, NTP: Known human carcinogen. The weight percent of crystalline silica given represents total quartz and not the respirable fraction. The weight percent of respirable silica has not been measured in this product.

POTENTIAL ENVIRONMENTAL EFFECTS: A component of this product, butyl benzyl phthalate meets the definition of a marine pollutant. (See Section 12 for more information.)

SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

MATERIAL	WT%	CAS #
Limestone	<55	1317-65-3
Acrylic Polymer	>20	Proprietary
Butyl Benzyl Phthalate	<10	85-68-7
Water	>5	7732-18-5
Ethylene Glycol	<5	107-21-1
Crystalline Silica	<5	14808-60-7^



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All ingredients of this product are included in the U.S. Environmental Protection Agency's Toxic Substances Control Act Chemical Substance Inventory and the Canadian Domestic Substances List (DSL).

^The weight percent for silica represents total quartz and not the respirable fraction.

SECTION 4 FIRST AID MEASURES

FIRST AID PROCEDURES

Inhalation	Remove to fresh air. Leave the area of exposure and remain away until coughing and other symptoms subside. Other measures are usually not necessary, however if conditions warrant, contact physician.
Eyes	In case of contact, do not rub or scratch your eyes. If eye contact occurs, flush immediately with water for 30 minutes.
Skin	Wash with mild soap and water. If irritation persists, consult physician.
Ingestion	This product is not intended to be ingested or eaten. If gastric disturbance occurs, call physician.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED: Pre-existing skin diseases such as, but not limited to, rashes and dermatitis.

NOTES TO PHYSICIAN: Treatment should be directed at the control of symptoms and the clinical condition.

SECTION 5 FIRE FIGHTING MEASURES

General Fire Hazards	None known		
Extinguishing Media	Water or use extinguishing media appropriate for surrounding fire.		
Special Fire Fighting Procedures	Wear appropriate personal protective equipment. See section 8.		
Unusual Fire/ Explosion Hazards	None known		
Hazardous Combustion Products	Product contains low level of organic volatiles which may be emitted or released in application processes involving the use of heat.		
Flash Point	Not Determined	Auto Ignition	Not Applicable
Method Used	Not Applicable	Flammability Classification	Not Applicable
Upper Flammable Limit (UFL)	Not Determined	Rate of Burning	Not Applicable
Lower Flammable Limit (LFL)	Not Determined		

SECTION 6 ACCIDENTAL RELEASE MEASURES

CONTAINMENT: No special precautions. Wear appropriate personal protective equipment. See section 8.

CLEAN-UP: Use normal clean up procedures. Wear appropriate protective equipment. Ventilate area. Floor may be slippery; use care to avoid falling. Shovel or scoop up material from spillage into a waste container for disposal.



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DISPOSAL: Follow all local, state, provincial and federal regulations. Never discharge large releases directly into sewers or surface waters.

SECTION 7 HANDLING AND STORAGE

HANDLING: Avoid contact with eyes. Wear the appropriate eye protection (See Section 8). Minimize vapor accumulation. Avoid breathing vapors. Wear the appropriate respiratory protection against vapors in poorly ventilated areas and if TLV is exceeded (see Sections 2 and 8). Use good safety and industrial hygiene practices. Avoid breathing vapors.

STORAGE: Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities (see Section 10). Store at room temperature in a dry location. Avoid freezing, product may coagulate. If frozen, thaw slowly at room temperature.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

MATERIAL	WT%	TLV (mg/m ³)	PEL (mg/m ³)
Limestone	<55	10	15 (T) / 5 (R)
Acrylic Polymer	>20	(NE)	(NE)
Butyl Benzyl Phthalate	<10	(NE)	(NE)
Water	>5	(NE)	(NE)
Ethylene Glycol	<5	100 ceiling	(NE)
Crystalline Silica	<5	0.025 (R)	0.1 (R)

(T)–Total; (R)–Respirable; (NE)-Not Established; (C)-Ceiling; (STEL)-Short-term exposure limit
(F)-Fume; (Du)-Dust; (M)-Mist
ppm-part per million; f/cc-fiber per cubic centimeter; mppcf- million particles per cubic foot

ENGINEERING CONTROLS: Provide ventilation sufficient to control airborne vapors levels. Use ventilation to keep vapor concentrations below permissible exposure limits. Where general ventilation is inadequate, use process enclosures, local exhaust ventilation, or other engineering controls to control vapors levels below permissible exposure limits. Provide ventilation sufficient to control vapor exposures. Where general ventilation is inadequate, use process enclosures, local exhaust ventilation, or other engineering controls to control vapor levels. If engineering controls are not possible, wear a properly fitted NIOSH/MSHA-approved vapor respirator. Wear a NIOSH/MSHA-approved respirator equipped with vapor cartridges when in poorly ventilated areas, and if TLV is exceeded. A respiratory program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

RESPIRATORY PROTECTION: Wear a NIOSH/MSHA-approved respirator equipped with vapor cartridges when in poorly ventilated areas, and if TLV is exceeded. A respiratory program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

OTHER PERSONAL PROTECTIVE EQUIPMENT:

Eye/Face	Wear eye protection, safety glasses or goggles, to avoid possible eye contact.
Skin	Wear gloves and protective clothing to prevent repeated or prolonged skin contact.



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General

Selection of Personal Protective Equipment will depend on environmental working conditions and operations.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Paste	Vapor Density (Air = 1)	Not Determined
Odor	Sweet acrylic odor	Specific Gravity (H ₂ O = 1)	1.5
Odor Threshold	Not Determined	Solubility in water (g/100g)	Emulsion
Physical State	Emulsion	Partition Coefficient	Not Determined
pH @ 25 ° C	Not Determined	Auto-ignition Temp	Not Determined
Melting Point	Not Applicable	Decomposition Temp	Not Determined
Freezing Point	~0°C/32°F	Viscosity	Not Determined
Boiling Point	~100°C/212°F	Particle Size	Not Determined
Flash Point	Not Determined	Bulk Density	Not Determined
Evaporation Rate (BuAc = 1)	Not Determined	Molecular Weight	Mixture
Upper Flammable Limit (UFL)	Not Determined	VOC Content	<15 g/L less water
Lower Flammable Limit (LFL)	Not Determined	Percent Volatile	Not Determined
Vapor Pressure (mm Hg)	Not Determined		

SECTION 10 CHEMICAL STABILITY AND REACTIVITY

STABILITY	Stable.
CONDITIONS TO AVOID	Contact with incompatibles (see below).
INCOMPATIBILITY	Strong oxidizing agents, acids and bases.
HAZARDOUS POLYMERIZATION	None known.
HAZARDOUS DECOMPOSITION	Thermal decomposition may yield carbon dioxide and carbon monoxide.

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: Ethylene glycol: LD50 (oral, rat) > 6.14 g/kg; LD50 (oral, mouse) > 14.6 g/kg

CHRONIC EFFECTS / CARCINOGENICITY:

Ethylene Glycol: Animal studies indicate that prolonged and repeated overexposure to ethylene glycol may cause kidney and/or liver damage and birth defects. Overexposure is highly unlikely at concentrations present in this product. Trace amounts of 1,4 dioxane, acetaldehyde and ethylene glycol monomethyl ether may be associated with the production of ethylene glycol. Any exposure to these substances is expected to remain well below OSHA



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regulatory and ACGIH recommended limits during normal handling and use of this product.

Crystalline Silica: Exposures to respirable crystalline silica are not expected during the normal use of this product; however, actual levels must be determined by workplace hygiene testing. The weight percent of respirable crystalline silica may not have been measured in this product. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer. The development of silicosis may increase the risks of additional health effects. Smoking in combination with silica exposures increases the risk of cancer. The risk of developing silicosis is dependent upon the exposure intensity and duration.

In June, 1997, IARC classified crystalline silica (quartz and cristobalite) as a human carcinogen. In making the overall evaluation, the IARC Working Group noted that carcinogenicity in humans was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs.

IARC states that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1).

SECTION 12 ECOLOGICAL INFORMATION

ENVIRONMENTAL TOXICITY: This product has no known adverse effect on ecology. A component of this product, butyl benzyl phthalate meets the definition of a marine pollutant.

Ecotoxicity value	Not determined.
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SECTION 13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of material in accordance with federal, state, and local regulations. Never discharge directly into sewers or surface waters. Consult with environmental regulatory agencies for guidance on acceptable disposal practices.

SECTION 14 TRANSPORT INFORMATION

U.S. DOT INFORMATION: Not a hazardous material per DOT shipping requirements. Not classified or regulated.

Shipping Name	Same as product name.
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Hazard Class	Not classified.
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UN/NA #	None. Not classified.
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Packing Group	None.
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Label (s) Required	Not applicable.
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GGVSec/MDG-Code	Not classified.
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ICAO/IATA-DGR	Not applicable.
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RID/ADR	None.
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ADNR	None.
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SECTION 15 REGULATORY INFORMATION

UNITED STATES REGULATIONS

All ingredients of this product are included in the U.S. Environmental Protection Agency's Toxic Substances Control Act Chemical Substance Inventory.

MATERIAL	WT%	3 0 2	3 0 4	3 1 3	CERCLA	CAA Sec. 112	RCRA Code
Limestone	<55	NL	NL	NL	NL	NL	NL
Acrylic Polymer	>20	NL	NL	NL	NL	NL	NL
Butyl Benzyl Phthalate	<10	NL	NL	NL	100	NL	NL
Water	>5	NL	NL	NL	NL	NL	NL
Ethylene Glycol	<5	NL	NL	X	5,000	NL	NL
Crystalline Silica	<5	NL	NL	NL	NL	NL	NL

Key: NL = Not Listed

SARA Title III Section 302 (EPCRA) Extremely Hazardous Substances: Threshold Planning Quantity (TPQ)

SARA Title III Section 304 (EPCRA) Extremely Hazardous Substances: Reportable Quantity (RQ)

SARA Title III Section 313 (EPCRA) Toxic Chemicals: X= Subject to reporting under section 313

CERCLA Hazardous Substances: Reportable Quantity (RQ)

CAA Section 112 (r) Regulated Chemicals for Accidental Release Prevention: Threshold Quantities(TQ)

RCRA Hazardous Waste: RCRA hazardous waste code

CANADIAN REGULATIONS

This product has been classified in accordance with the hazard criteria of Controlled Product regulations and the MSDS contains all the information required by the Controlled Products Regulations. All ingredients of this product are included in the Canadian Domestic Substances List (DSL).

MATERIAL	WT%	IDL Item #	WHMIS Classification
Limestone	<55	Not Listed	D2A
Acrylic Polymer	>20	Not Listed	Not Listed
Butyl Benzyl Phthalate	<10	241	Not Listed
Water	>5	Not Listed	Not Listed
Ethylene Glycol	<5	716	D2A
Crystalline Silica	<5	1406	D2A

IDL Item#: Canadian Hazardous Products Act – Ingredient Disclosure List Item #

WHMIS Classification: Workplace Hazardous Material Information System

Risk and Safety Phrases defined by European Union Directive 67/548/EEC (Annex III and IV)

R-Phrase(s): None known.

S-Phrase(s): None known.



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SECTION 16 OTHER INFORMATION

Label Information

Δ WARNING!

Avoid exposure to fumes. Vapors can cause headaches, nausea or irritation to eyes, skin and respiratory tract. Use in a well ventilated area. Wear eye, skin and respiratory protection as necessary per working conditions. If eye contact occurs flush immediately with water for 30 minutes. Harmful if swallowed. Do not ingest. If ingested, call physician. Product safety information: 800-507-8899 or usg.com. Customer Service: 800 USG-4-YOU (800 874-4968). KEEP OUT OF REACH OF CHILDREN.

INFORMATION FOR HANDLING AND IDENTIFICATION OF CHEMICAL HAZARDS

NFPA Ratings:			HMIS Ratings:		<table border="1"> <tr> <td>HEALTH</td> <td>*</td> <td>1</td> </tr> <tr> <td>FLAMMABILITY</td> <td></td> <td>1</td> </tr> <tr> <td>PHYSICAL HAZARD</td> <td></td> <td>0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td></td> <td>B</td> </tr> </table>	HEALTH	*	1	FLAMMABILITY		1	PHYSICAL HAZARD		0	PERSONAL PROTECTION		B	0 = Minimal Hazard
HEALTH	*		1															
FLAMMABILITY			1															
PHYSICAL HAZARD			0															
PERSONAL PROTECTION		B																
Health:	1	Health:	1	1 = Slight Hazard														
Fire:	1	Fire:	1	2 = Moderate Hazard														
Reactivity:	0	Reactivity:	0	3 = Serious Hazard														
					4 = Severe Hazard													

B - Safety glasses and gloves; * - Contains silica

Key/Legend

ANSI	American National Standards Institute
ACGIH	American Conference of Governmental Industrial Hygienists
CAA	Clean Air Act
CAS	Chemical Abstracts Service (Registry Number)
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CFR	Code of Federal Regulations
DOT	United States Department of Transportation
DSL	Canadian Domestic Substances List
EPA	United States Environmental Protection Agency
EPCRA	Emergency Planning & Community Right-to-know Act
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
MSHA	Mine Safety and Health Administration
NDSL	Canadian Non-Domestic Substances List
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Health and Safety Administration
PEL	Permissible Exposure Limit
PPE	Personal Protection Equipment
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act of 1986
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
UN/NA#	United Nations/North America number



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WHMIS	Workplace Hazardous Material Information System
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