



UNIVAR

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For Emergency Assistance involving chemicals call - CHEMTREC (800) 424-9300

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 PRODUCT IDENTIFICATION

PRODUCT NAME CALCIUM SULFATE - GYPSUM

MSDS# P16232VS

DATE ISSUED: 10/1/99

SUPERSEDES: 10/3/97

ISSUED BY: 009057

United States Gypsum Company Product Safety: 1 (800) 507-8899
 125 South Franklin Street Version Date: October 1, 1999
 Chicago, Illinois 60606-4678

SECTION 1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT: Calcium Sulfate
 Terra Alba F & P
 Snow White
 Gypsum

CHEMICAL FAMILY Gypsum (Calcium Sulfate Dihydrate, CaSO4 e 2H20)

SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

MATERIAL	%	TLV (Mg/M3)	PEL(Mg/M3)	CAS NUMBER
Calcium Sulfate	90-98	10	15(T)/5(R)	7778-18-9
Limestone	0-10	10	15(T)/5(R)	1317-65-3
Crystalline Silica	<5	0.1 (R)	0.1 (R)	14808-60-7

(T) = Total (R) = Respirable

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

INFORMATION FOR HANDLING AND IDENTIFICATION OF CHEMICAL HAZARDS

NFPA Ratings: Health: 0 Fire: 0 Reactivity: 0 Other: N/A
HMIS Ratings: Health: 0 Fire: 0 Reactivity: 0
Personal Protection: Use eye and skin protection. Use NIOSH/MSHA-approved respiratory protection when necessary.
0 = Minimal Hazard 1 = Slight Hazard 2 = Moderate Hazard
3 = Serious Hazard 4 = Severe Hazard

SECTION II PHYSICAL DATA

Appearance and Odor: Off white to white powder; low odor
Melting Point: 1450 deg C - decomposes
Specific Gravity: 2.32-2.96
Solubility in Water: 0.26%

SECTION IV FIRE FIGHTING MEASURES

Flash Point (Method Used): Not combustible
Extinguishing Media: Use extinguishing media appropriate for surrounding fire.
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None

SECTION V HEALTH HAZARD DATA

This product can release nuisance dust in handling or during use. Eye, skin, nose, throat and upper respiratory irritation can occur with dust exposure.

EFFECTS OF OVEREXPOSURE:

ACUTE:

EYES: Direct contact can cause mechanical (particulate) irritation of eyes. If burning, redness, itching, pain or other symptoms persist or develop, consult physician.

SKIN: No toxic effects from powdered gypsum are noticed where air contains contaminate to excess. This material exhibits some affinity for moisture, and frequent exposures may have a drying effect on the skin. Possible itching and irritation may be experienced. This may lead to dermatitis.

INHALATION: Inhalation of dusts from this product may irritate the nose, throat, lungs, and upper respiratory tract.

Persons subjected to large amounts of this dust will be forced to leave area because of nuisance conditions such as coughing, sneezing and nasal irritation. If respiratory symptoms persist, consult physician.

INGESTION: This product is gypsum. Gypsum is non-toxic, however, ingestion of a sufficient quantity could lead to mechanical obstruction of the gut, especially the pyloric region.

CHRONIC:

INHALATION: None known for gypsum. Prolonged and repeated exposure to respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush thoroughly with water for 15 minutes to remove particles. If irritation persists, consult physician.

SKIN: Wash with mild soap and water. A commercially available hand lotion may be used to treat dry skin areas. If skin has become cracked, take appropriate action to prevent infection and promote healing.

INHALATION: Leave the area of dust exposure and remain away until coughing and other symptoms subside. Other measures are usually not necessary, however, if conditions warrant, call physician.

INGESTION: Ingestion of sufficient quantity may result in mechanical obstruction of, the gut. If there is any discomfort, consult physician.

TARGET ORGANS: Eyes, skin, lungs, and respiratory system.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED: Pre-existing upper respiratory and lung disease such as, but not limited to, bronchitis, emphysema and asthma.

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

CARCINOGENICITY OF INGREDIENTS:

MATERIAL	IARC	NTP
Crystalline Silica	Group 1	Anticipated

In June, 1997, the International Agency for Research on Cancer (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 VI REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: Acids

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION: Above 1450 deg C could produce SO₂ & CaO.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Avoid creating excessive dust. Wear appropriate protective equipment. Scoop up material from spillage into a waste container for disposal, or if not contaminated by foreign material it may be reclaimed for processing.

WASTE DISPOSAL METHOD:

Dispose of in accordance with local, state and federal regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Not typically necessary under normal conditions of use. Avoid inhalation of dust. Dust created from mixing or handling may cause eye, nose, throat or upper respiratory irritation. Wear a NIOSH/MSHA-approved dust respirator if TLV is exceeded and/or when dusty conditions exist. Provide general ventilation and/or local exhaust ventilation to meet TLV requirements.

PROTECTIVE EQUIPMENT:

Gloves or protective clothing are usually not necessary but may be desirable in specific work situations. Wear adequate clothing to minimize drying of skin. Wear safety glasses or goggles for eye protection to avoid particulate irritation of the eye.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store in a dry place. Minimize exposures in accordance with good industrial hygiene practice. During handling wear the appropriate respiratory, eye and skin protection if warranted per environmental conditions.

CAUTION!

Dust may cause eye, skin, nose, throat or upper respiratory irritation. Avoid inhalation of dust and eye contact. Provide good general ventilation and/or local exhaust to reduce dust exposure. If dusty conditions exist, use

NIOSH/MSHA-approved respiratory protection. Wear eye protection to avoid particulate irritation of eye. If eye contact occurs, flush thoroughly with water for 15 minutes. If irritation persists, call physician.
Product safety information (800) 507-8899.
KEEP OUT OF REACH OF CHILDREN

For Additional Information:

Contact: MSDS Coordinator - Univar USA
During business hours, Pacific Time - (425) 889-3400

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END OF MSDS