SAFETY DATA SHEET

Section 1. Product Identification

Product identifier	Valu- Fil
Other means of identification	
SDS number	ACG 2005
Additional Products	Valu-Fil Series, Ground Rock, Ground Gypsum, Coarse Grind, Line Drive, Animal Feed, Turfgrass, and Agricultural Gypsum
Synonyms	Calcium Sulfate Dihydrate
Recommended use	Filler.
Recommended Restrictions	Use in accordance with manufacturer's recommendations.
Manufacturer/Importer/Supplier/Distributor information	
Company name	Arcosa Specialty Materials
Address	1550 Double Drive Norman, OK 73069
Telephone	1-800-624-5963
Website	www.ArcosaSpecialtyMaterials.com
Emergency phone number	1-800-624-5963

Section 2. Hazard(s) Identification

Emergency Overview	This product is not flammable, combustible, or explosive. It does not cause burns or severe skin or eye irritation. A single exposure will not result in serious adverse health effect. Prolonged contact with the product may result in abrasions to the skin or irritation of the eyes. Prolonged inhalation of the dust may irritate the respiratory tract.
Physical hazards	Not classified
Acute:	
Eyes	Contact can cause mechanical irritation of eyes. If burning, redness, itching, pain or other symptoms persist or develop, consult physician. Eye irritation Category 2, subcategory 2B.
Skin	Prolonged contact with the skin may cause irritation. Rubbing of this product against the skin can result in abrasion. Rinse with water until free of material to avoid abrasion, then wash skin thoroughly with mild soap and water. May dry skin. Mild skin irritation Category B.
Inhalation	Inhalation of dusts from this product may irritate the nose, throat, lungs, and upper respiratory tract. Persons exposed to large amounts of this dust may be forced to leave area because of nuisance conditions such as coughing, sneezing, and nasal irritation. Labored breathing may occur after excessive inhalation. If respiratory symptoms persist, consult physician.
Chronic:	
Inhalation	Prolonged and repeated exposure to respirable crystalline silica can result in lung disease (i.e. silicosis) and lung cancer. Silicosis increases the risk of tuberculosis. Studies have shown various autoimmune and chronic kidney diseases in workers exposed to respirable crystalline silica. Some studies show and increased incidence of chronic bronchitis and emphysema in workers exposed to crystalline silica.

Health Hazards	Sensitization, Respiratory	Category 1
Environmental hazards	Not Classified	
OSHA defined hazards	Not Classified	

Label elements



Signal word	Danger
Hazard statement	Causes eye and skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statement

Prevention	Wash hands thoroughly after handling. Wear protecitve gloves. Avoid breathing dust. Wear respiratory protection.
Response	If eye irritation persists, if skin irritation occurs, or if experiencing respriatory symptoms: Get medical advice/attention.
Storage	Store as indicated in Section 7.
Disposal	Dispose of in accordance with local, state, and federal regulations.

Hazard(s) not otherwise classified (HNOC) None known.

Section 3. Composition/Information on Ingredients

Mixtures

Chemical name	CAS number	%
Calcium sulfate dihydrate (alternative CAS 10101-41-4)	13397-24-5	>95
Calcium Sulfate Anhydrite	14798-04-0	<10
Silicon Dioxide (Crystalline Silica)	14808-60-7	<0.025

Composition comments All concentrations are in percent by weight unless ingredient is a gas.

Section 4. First-Aid Measures

Eye contact	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin contact	If on skin: Wash with plenty of water/mild soap and water. Specific treatment: see supplemental first aid instruction on label. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Inhalation	If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor.
Ingestion	Unlikely to occur, but may cause gastric disturbances if swallowed. Gypsum is non-toxic
Most Important symptoms/effects, acute and delayed	Under normal conditions of intended use, this product is not expected to be a health risk. Dust may irritate throat and respiratory system and cause coughing.
Indication of Immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved.

Section 5. Fire and Explosion Hazard Data

Flash Point	Non-combustible
Auto-Ignition	Not applicable.
Flammable limit	Not applicable.
Fire Extinguishing Media	Use extinguishing media appropriate for surrounding fire.
Special Fire-fighting Procedures	Wear proper personal protective equipment as listed in Section 8.
Hazardous combustion procedures	Not applicable.
Explosion Hazards	None known.

Section 6. Accidental Release Measures

Methods and materials for containment and cleaning up	Remove by dry sweeping or vacuum. Avoid creating excessive dust. It is recommended that gloves and a mask be worn while cleaning the spill. If already mixed with water, scrape up and place in container. Wear appropriate protective equipment as described in Sections 7 & 8.
Environmental precautions	Avoid discharge to drains, sewers, and other water systems.

Section 7. Handling and Storage

Precautions for safe handling	Avoid contact with skin and eyes. Do not breathe dust. Use only in well ventilated areas. A NIOSH approved dust mask or filtering face piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. When using, do not eat or drink. Wash hands before eating, drinking or smoking.
Conditions for safe storage, including an incompatibilities	Keep out of reach of children. Keep the container tightly closed and dry. Store in a covered, dry climate controlled area, away from incompatibles listed in Section 10.

Section 8. Exposure Controls/Personal Protection

Occupational exposure limits

US. OSHA table Z-1 Limits for Air Contaminants (29 CFR 1910.1000

Components	Type	Value	Form
Gypsum Anhydrite or Gypsum/Anhydrite Blend	PEL	5 mg/m3	Respirable.
Crystalline Silica	TWA	5 mg/m3	Respirable.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Gypsum Anhydrite or Gypsum/Anhydrite Blend	TWA	10 mg/m3	Inhalable fraction.
Crystalline Silica	TWA	0.025 mg/m3	Respirable.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Gypsum Anhydrite or Gypsum/Anhydrite Blend	TWA	5 mg/m3	Respirable
Crystalline Silica	TWA	0.05 mg/m3	Respirable

Engineering Controls	Ventilate to keep exposures below TLV requirements of the individual ingredients. General ventilation is expected to be satisfactory. Use local exhaust ventilation if necessary to control dust.
Respiratory protection	None required where adequate ventilation conditions exist. A NIOSH approved dust mask or filtering face piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Consult with respirator manufacturer to determine respirator selection, use, and limitations.

Section 9. Physical and Chemical Properties

Appearance	White.
Physical state	Powder/Solid.
Melting Point	Not applicable.
Freezing Point	Not applicable.
Odor	Low to no odor.
Odor threshold	Not determined.
Flash point	Non-combustible.
Flammability limits	Not applicable.
Solubility (in water) (g/100g)	0.205.
Initial boiling point	Not applicable

Boiling Range	Not applicable.
Specific gravity	2.32-2.41.
pH	6-8.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Auto-ignition temperature	None.
Evaporation rate	Not applicable.
Viscosity	Not applicable.
Upper flammability limit	Not determined.
Lower flammability limit	Not determined.
Decomposition temp	1450°C / 2642°F

Section 10. Chemical Stability and Reactivity

Conditions of reactivity	Not applicable.
Chemical stability	Stable at normal storage conditions and temperature.
Conditions to avoid	Not applicable.
Hazardous decomposition products	Stable at normal storage conditions and temperature.
Hazardous polymerization	None known.

Section 11. Toxicological Information

Information on likely routes of exposure

Acute effects	The acute oral toxicity study (OECD TG 420) of calcium sulfate dihydrate showed that this chemical did not cause any changes.
Chronic effects	Crystalline silica: Exposures to respirable crystalline silica are not expected during the normal use of this product; however, levels must be determined by in-house workplace hygiene testing.

Section 12. Ecological Information

Ecotoxicity	There are no known causes from this product that would harm the ecology. The disposal of large quantities directly into waterways would be expected to cause significant aquatic life death.

Section 13 Disposal Considerations

Disposal procedure	Dispose of product and packaging material in accordance with all applicable federal, state, and local regulation. Can be disposed as an inert solid in a landfill. Slurry may plug drains. Do not dispose of directly in waterways or sewers. Recycle responsibly.

Section 14. Transport Information

Department of Transportation (DOT) Requirements	This product is not regulated as a hazardous material by the United States (DOT) transportation regulations.
Canadian Transportation of dangerous goods	Not regulated as dangerous goods.
UN#	None, Not regulated as dangerous goods.
ADNR	None.
RID/ADR:	Not classified.
Environmental hazards	None.
Annex II of MARPOL 73/78	Not applicable

International bulk chemical code	Not applicable

Section 15 Regulatory Information

U.S. EPA's Toxic Substance Control Act Chemical Substance Inventory	Not listed as reportable quantity or regulated quantity in SARA Title III Sections 302, 304, and 313. CAA Section 112® Regulated Chemicals for Accidental Release Prevention, CERLA Hazardous Substances, and RCRA Hazardous Waste.
Canadian Controlled Product Regulations	Crystalline Silica: IDL* Item #1406 Classification: D2A.
European Union Directive 67/548/EEC (Annex III and IV)	R36, R37, R38, S37, S3, S39, and S51.
California Proposition 65:	⚠Warning: This product can expose you to chemicals, including crystalline silica, known to the state of California to cause cancer and birth defects or other reproductive harm. For more information, go to: www/P65Warnings.ca.gov

*IDL Item: Canadian Hazardous Product Act Ingredient Disclosure List
** WHMIS: Workplace Hazardous Safety Information System

Section16 Other Information

16. Other Information, including date of preparation or last revision

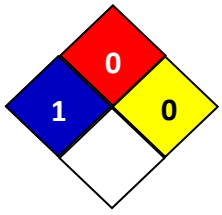
Issue date	17-April 2019
Version #	05

Further information

NFPA Ratings
Health: 1
Flammability: 0
Physical hazard: 0

NFPA ratings

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe



Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.