

SAFETY DATA SHEET

1. Product and Company Identification



Diamond K Gypsum, Inc.

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Richfield, Utah 84701
(435) 896-5570
Fax: (435) 896-8893
www.diamondkgypsum.com
Product Safety: 1-800-497-7861

Product Identifier: 7-0-0, Plus 11% Calcium
Recommended Use: Specialty crop nutrient, turf grass fertilizer, general fertilizer uses, and specialty industrial uses.
Recommended Restrictions: None Known.

2. Hazards Identification

Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.
OSHA defined hazards Not classified.

Label elements

Hazard symbols None.
Signal word Not available.
Hazard statement Not available.



WARNING: This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Precautionary statement

Prevention Not available.
Response Not available.
Storage Not available.
Disposal Not available.
Hazard(s) not otherwise Classified (HNOC) None known.
Supplemental information None.

3. Composition/Information on Ingredients

Substance			
Chemical name	Common name and synonyms	CAS number	%
Soy Protein Hydrolysate	Nitrogen		50%
Calcium Sulfate Dihydrate	Gypsum	10101-41-4	50%
Crystalline Silica		14808-60-7	<1

4. First Aid Measures

Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention. Call a physician if symptoms develop or persist.
Skin contact	Brush away excess of dry material. Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
Eye contact	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
Ingestion	Do not induce vomiting. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention. This product is not intended to be ingested
Most important Symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness, and discomfort.
Indication of immediate medical attention and special treatment needed	Symptoms may be delayed.
General information	If you feel unwell, seek medical advice (show the label where possible.) Ensure that medical personnel are aware of the material(s) involved, and take precautions to the product themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with the eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

Suitable extinguishing media	Treat for surrounding material.
Unsuitable extinguishing Media	None known.
Specific hazards arising from The chemical	Firefighters should wear a self-contained breathing apparatus.
Special protective equipment And precautions for firefighter's	Firefighters should wear full protective clothing including self-contained breathing apparatus.
Firefighting Equipment/instructions	In the event of fire, cool tanks with water spray.
Specific methods	Cool containers exposed to flames with water until well after the fire is out.
Hazardous combustion Products	Above 1450 C -decomposes to calcium oxide (CaO), and sulfur Dioxide (SO ₂)
Explosion data	
Sensitivity to mechanical Impact	Not available.
Sensitivity to static Discharge	Not available.

6. Accidental Release Measures

Personal precautions Protective equipment and Emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill-leak. wear a dust mask if dust is generated above exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust from the spilled material. For personal protection, see section 8 of the SDS.
Methods and materials for Containment and cleaning up	Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. For waste disposal, see section 13 of the SDS.
Environmental precautions	Do not discharge into lakes, streams, ponds, or public waters.

7. Handling and Storage

Precautions for safe handling	Avoid breathing dust. Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment. Use good industrial hygiene practices in handling this material. Wash thoroughly after handling.
Conditions for safe storage, Including and incompatibilities	Guard against dust accumulation of this material. Store in well-ventilated place. Store in closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

8. Exposure Controls/Personal Protection

Occupational exposure limits Biological limit values Exposure guidelines	No exposure limits notes for ingredient(s). No biological exposure limits noted for the ingredient(s). This material does not have established exposure limits.
Appropriate engineering Controls	TWA PEL: No specific limits have been established. TWA TLV: No specific limits have been established.
Individual protection measures, such as personal protective equipment	
Eye/face protections	Wear safety glasses with side shields.
Skin protection	
Hand protection	Rubber gloves. Confirm with a reputable supplier first.
Other	As required by employer code
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator or NIOSH-approved filtering facepiece.
Thermal hazards	Not Available.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When using do not eat or drink

9. Physical and Chemical Properties

Appearance Physical state	Light yellow powder. Solid.
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Form	Crystals, Granular or Powder.
Color	white to yellow.
Odor	Characteristic.
Odor threshold	Not available.
pH	5-7 in solution.
Melting point/freezing point	Not Applicable
Initial boiling point and boiling Range	>100°C (>212°F)
Pour point	Not available.
Specific gravity	2.66 @ 21°C (H2O+1) 2.66
Flash point	None.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Vapor pressure	<0kPa at 25°C
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Appreciable.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	2.66g/cm3 estimated
Flash point class	Flammable IB

10. Stability and Reactivity

Reactivity	May react with incompatible materials.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Contact with incompatible materials. Do not mix with other chemicals.
Incompatible materials	None Known
Hazardous decomposition products	May include and are not limited to: Oxides of sulfur.

11. Toxicological Information

Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.
Information on likely routes of exposure	
Ingestion	May cause stomach distress, nausea, or vomiting.
Inhalation	Inhalation of dusts may cause respiratory irritation.
Skin contact	May be irritating to the skin.
Eye contact	May be irritating to eyes. Dust in the eyes will cause irritation.
Symptoms related to the Physical, chemical and Toxicological characteristics	Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness, and discomfort

Information on toxicological effects

Acute Effects: The acute oral toxicity study [OECD TG 420] of calcium sulfate dihydrate showed that this chemical did not cause any changes even at 2,000 mg/kg b.w. Therefore, the oral LD50 value was more than 2,000mg/kg b.w. for female rats. Gypsum past applied experimentally to the eyes of rabbits was not an irritant. Gypsum dust particulate has shown an irritant action on mucous membranes of the respiratory tract and eyes. The sulfate ion has caused gastro-intestinal disturbance in humans following large oral doses. Limited studies involving the repeated inhalation of an (unspecified) calcium sulfate failed to identify any particular target organs in monkeys, rats, and hamsters. No evidence of mutagenicity was found in Ames bacterial test

Chronic Effects/Carcinogenicity: 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).

Acute toxicity

Components		Test Results
Nitrogen	Non-Toxic	Not to be considered to the Criteria of the OSHA standard
Skin corrosion/irritation	May cause irritation.	
Serious eye damage/eye irritation	Dust in the eyes will cause irritation.	
Specific target organ toxicity-single exposure	Not available.	
Specific target organ toxicity-repeated exposure	Not available.	
Aspiration hazard	Not available.	
Chronic effects	Non-hazardous by WHMIS/OSHA criteria.	

12. Ecological Information

Ecotoxicity: Not Determined

Environmental Toxicity: This product has no known adverse effect on ecology.

Environmental degradation: Biodegradable

13. Disposal Considerations

Disposal Instructions	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.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	the waste code should be assigned in discussion between the user, the producer, and the waste disposal company.
Waste from residues/unused Products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe Manner (see: Disposal instructions).

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since empty containers may retain product residue, follow label warning even after container is emptied.

14. Transport Information

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG-Canada)

Not regulated as dangerous goods.

15. Regulatory Information

Canadian federal regulations

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SFS contains all the information required by the Controlled Products Regulations.

WHMIS status

Not Controlled.

US federal regulations

This product is NOT known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.0

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.)

Not listed.

Clean Air Act (CAA) Section 1129R0 Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**Hazard categories**

Immediate Hazard- No
 Delayed Hazard- No
 Fire Hazard- No
 Pressure Hazard- No
 Reactivity Hazard- No

Other federal regulations**Safe Drinking Water Act (SDWA)**

Not regulated

Food and Drug Administration (FDA)

N/A



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16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/	1
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		X



The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief as of the date noted below. This information is not a warranty or quality specification. The user of the product is solely responsible for determining the suitability of use in each particular situation. This information relates only to the specific material designed and may not be valid for the material used in combination with any other materials or in any process. The user of the product assumes all risks and responsibilities in connection with the use of the product, and Diamond K will not be responsible for any damages relating to the use of the product.

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Prepared by: Diamond K Gypsum, Inc.

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