



**DIAMOND K GYPSUM, INC**  
**Safety Data Sheet**  
**Premium 95™ Solution Grade HA**

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**SECTION 1: Identification**

**1.1 Product identifier**

Product name	Premium 95™ Solution Grade HA
Brand	Diamond K

**1.2 Other means of identification**

Premium 95 Humic Acid Wettable Powder  
Gypsum + Humic, Wettable Powder  
Gypsum/Calcium Sulfate Dihydrate with Humic Substances  
Gypsum premix with Leonardite

**1.3 Recommended use of the chemical and restrictions on use**

Commercial Fertilizer

**1.4 Supplier's details**

Name	Diamond K Gypsum, Inc.
Address	1720 South Redhills Drive Richfield, UT 84701 United States

Telephone	435-896-8870
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**1.5 Emergency phone number(s)**

435-896-8870

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**SECTION 2: Hazard identification**

**2.1 Classification of the substance or mixture**

**GHS classification in accordance with: OSHA (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

**2.2 GHS label elements, including precautionary statements**

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Not a hazardous substance or mixture.

### 2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

##### 1. Gypsum

Concentration	94 - 98 % (weight)
CAS no.	13397-24-5

##### 2. Humic acids, potassium salts

Concentration	2 % (weight)
CAS no.	68514-28-3

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## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

If inhaled	Move 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.
In case of skin contact	Wash with mild soap and water. If irritation persists, consult physician.
In case of eye contact	In case of contact, do not rub or scratch your eyes. To prevent mechanical irritation, flush thoroughly with water for 15 minutes. If irritation persists, consult physician.
If swallowed	This product is not intended to be ingested or eaten. If gastric disturbance occurs, call physician.

### 4.2 Most important symptoms/effects, acute and delayed

Dust may irritate the respiratory tract, skin and eyes. Coughing. Contact a physician if irritation persists.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically. Contact a physician if irritation persists.

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## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

### 5.2 Specific hazards arising from the chemical

None known.

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### 5.3 Special protective actions for fire-fighters

Wear appropriate personal protective equipment. See section 8. Use water spray to cool unopened containers.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. For personal protection, see section 8 of the SDS

### 6.2 Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

### 6.3 Methods and materials for containment and cleaning up

Avoid the generation of dusts during clean-up. Collect dust using a vacuum cleaner equipped with HEPA filter. Stop the flow of material, if this is without risk. Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water.

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. For waste disposal, see section 13 of the SDS. For Disposal, follow all local, state and federal laws and regulations. Never discharge large releases directly into sewers or surface waters.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid dust contact with eyes and skin. Wear appropriate eye and skin protection against dust (See Section 8.) Minimize dust generation and accumulation. Avoid breathing dust. Wear the appropriate respiratory protection against dust in poorly ventilated areas and if TLV is exceeded =. Use good safety and industrial hygiene practices.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities (see Section 10).

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### 1. Gypsum (CAS: 13397-24-5)

PEL (Inhalation): PNOR (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 2. Gypsum, Total dust (CAS: 13397-24-5)

PEL (Inhalation): 15 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 10 mg/m<sup>3</sup> (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL (Inhalation): 10 mg/m<sup>3</sup> (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 3. Gypsum, Respirable fraction (CAS: 13397-24-5)

PEL (Inhalation): 5 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 5 mg/m<sup>3</sup> (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

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REL (Inhalation): 5 mg/m<sup>3</sup> (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### 8.2 Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Wear eye protection, safety glasses or goggles, to avoid possible eye contact.

#### Skin protection

Wear gloves and protective clothing to prevent repeated or prolonged skin contact.

#### Respiratory protection

Wear a NIOSH/MSHA-approved respirator equipped with particulate cartridges when dusty 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. If engineering controls are not possible, wear a properly fitted NIOSH/MSHA-approved particulate respirator.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	white to off-white
Odor	low to no odor
Odor threshold	Not Determined
pH	7.5-8.0
Melting point/freezing point	Not Applicable
Initial boiling point and boiling range	Not Applicable
Flash point	Not Determined
Evaporation rate	Not Applicable
Flammability (solid, gas)	Not Determined
Upper/lower flammability limits	Not Determined
Vapor pressure	Not Applicable
Vapor density	Not Applicable
Relative density	Not Determined
Solubility(ies)	21g/100g of water
Partition coefficient: n-octanol/water	Not Determined
Auto-ignition temperature	Not Determined
Decomposition temperature	Not Determined
Viscosity	Not Applicable
Explosive properties	Not Determined
Oxidizing properties	Not Determined

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

The product is stable and non-reactive under normal conditions of use, storage and transport.

### **10.2 Chemical stability**

Material is stable under normal conditions.

### **10.3 Possibility of hazardous reactions**

No dangerous reaction known under conditions of normal use.

### **10.4 Conditions to avoid**

Avoid temperatures exceeding the decomposition temperature. Contact with incompatible materials.

### **10.5 Incompatible materials**

None known.

### **10.6 Hazardous decomposition products**

No hazardous decomposition products are known.

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## **SECTION 11: Toxicological information**

### **Information on toxicological effects**

#### **Acute toxicity**

Not known.

#### **Skin corrosion/irritation**

Dust or powder may irritate the skin. Wear gloves and protective clothing to prevent repeated or prolonged skin contact.

#### **Serious eye damage/irritation**

Dust may irritate the eyes. Wear eye protection, safety glasses or goggles, to avoid possible eye contact.

#### **Respiratory or skin sensitization**

Dusts may irritate the respiratory tract, skin and eyes. Coughing. Wear a NIOSH/MSHA-approved respirator equipped with particulate cartridges when dusty 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. If engineering controls are not possible, wear a properly fitted NIOSH/MSHA-approved particulate respirator.

#### **Germ cell mutagenicity**

None Known

#### **Carcinogenicity**

Not classifiable as to carcinogenicity to humans.

#### **Reproductive toxicity**

This product is not expected to cause reproductive or developmental effects.

#### **STOT-single exposure**

Not classified.

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### STOT-repeated exposure

Not classified.

### Aspiration hazard

Not an aspiration hazard.

### Additional information

Prolonged inhalation may be harmful.

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## SECTION 12: Ecological information

### Toxicity

This product has no known adverse effect on ecology. Toxicity studies of gypsum performed with fish, aquatic invertebrates and aquatic plants showed no toxic effect.

### Persistence and degradability

No data is available on the degradability of any ingredients in the mixture.

### Bioaccumulative potential

No data available.

### Mobility in soil

No data available.

### Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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## SECTION 13: Disposal considerations

### Disposal of the product

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. Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

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## SECTION 14: Transport information

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

#### Toxic Substances Control Act (TSCA) Inventory

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

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### New Jersey Right To Know Components

Common name: GYPSUM

CAS number: 13397-24-5

### Pennsylvania Right To Know Components

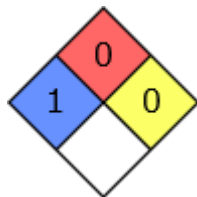
Chemical name: Gypsum.2h20)

CAS number: 13397-24-5

### HMIS Rating

Premium 95™ Solution Grade HAGypsum	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	
PERSONAL PROTECTION	

### NFPA Rating



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## SECTION 16: Other information

The information presented herein is based on available data from reliable sources and is correct to the best of Diamond K Gypsum, Inc's knowledge. Diamond K Gypsum, Inc makes no warranty, express nor implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.