

Material Safety Data Sheet

Revision: February/15/2007

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.

Section 1 - Chemical Product and Company Identification

Chemical Formula	CaSO ₄ .1/2H ₂ O
CAS#	10034-76-1.
CI#	Not available.
Synonym	Plaster of Paris, Sulfuric acid, calcium salt (1:1) hemihydrate
Chemical Name	Calcium Sulfate Hemihydrate
Trade name	SNOW ROCK Antibacterial Stone / SNOW ROCK 3-D Scan Stone SNOW ROCK Resin Stone / SNOW ROCK Resin Stone Penta SNOW ROCK Die Stone / SNOW ROCK Flow Rock SNOW ROCK Dental Stone / SNOW ROCK Orthodontic Rock SNOW ROCK Lab Stone-Model Stone / SNOW ROCK Dental Plaster
Application of the substance / the preparation	Auxiliary for dental technology FOR DENTAL LABORATORY MODELS ONLY
Contact Information	DK MUNGYO CORPORATION 717-4 SHINCHUN-RI, HANRIM-MYUN, GIMHAE, GYUNGNAM, KOREA TEL. +82 (0)55 346 1001 FAX +82 (0)55 346 1006

Section 2 - Composition and Information on Ingredients

Name	CAS #	% by Weight
Calcium sulfate hemihydrate	10034-76-1	90-100%

Toxicological Data on Ingredients: Not applicable.

Section 3 - Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant),
 of eye contact (irritant), of ingestion,

Health Hazard: Minimal Hazard

Potential Chronic Health Effects:

Fire Hazard: Minimal Hazard

CARCINOGENIC EFFECTS: Not available.

Reactivity: Minimal Hazard

MUTAGENIC EFFECTS: Not available.

Physical Hazard: Slight Hazard

Section 4 - First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient.

Get medical attention if irritation develops.

Section 5 - Fire and Explosion Data

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available.

Slightly explosive in presence of open flames and sparks.

Special Remarks on Fire Hazards:

Calcium sulfate mixed with phosphorous will ignite at high temperatures.

When primed at a high temperature with potassium nitrate-calcium silicide mixture.

Section 6 - Accidental Release Measures

Small Spill& Large Spill

Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Use a shovel to put the material into a convenient waste disposal container.
Finish cleaning by spreading water on the contaminated surface.

Section 7 - Handling and Storage

Precautions: Do not breathe dust. Keep away from incompatibles such as oxidizing agents, acids.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8 - Exposure Controls/Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Be sure to use an Safety glasses. Lab coat. Dust respirator.Gloves.

Section 9 - Physical and Chemical Properties

Physical state and appearance: Solid. (Powdered solid.)

Odor: Odorless. **Color:** White.

Molecular Weight: 145.15 g/mole

pH (1% soln/water): Not available.

pH: (1% soln/water): Not available

Boiling Point: 1450 degree

Melting Point:145 degree

Solubility in water: 0.2%

Specific gravity/density: 2.5-3.5

Section 10 - Stability and Reactivity Data

Basically stable,may solidify and generate heat if in contact with water

Special Remarks on Reactivity: When mixed with water, it sets to a hard mass.

Section 11 - Toxicological Information

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant),of ingestion, of inhalation.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects:**Skin:** May cause skin irritation **Eyes:** Causes eye irritation.

Section 12 - Ecological Information

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely.

Toxicity of the Products of Biodegradation: The product itself & its products of degradation are not toxic.

Section 13 - Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14 - Transport Information

No special transport requirements,non-dangerous goods

Section 15 - Other Information

Precautions: Do not breathe dust.

Keep away from incompatibles such as oxidizing agents, acids.