



Material Safety Data Sheet

P600 Gel Concentrate

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product name: P600 Gel Concentrate

Company: Cold Ice, Inc.
9999 San Leandro Street
Oakland, CA 94603
1-800-525-4435

Emergency Telephone Number: 1-800-525-4435

Emergency Fax Number (510) 568-2355

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation: Superabsorbent polymer.

3. HAZARDS IDENTIFICATION

The product when wet renders surfaces extremely slippery.

The product swells in water.

4. FIRST AID MEASURES

Inhalation: Move to fresh air.

Skin contact: No Hazards which require special first aid measures.

Eye Contact: Rinse immediately with plenty of water for at least 15 minutes. In case of persistent eye irritation consult a physician.

Ingestion: The product is not considered toxic based on studies on laboratory animals .

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: water, water spray, foam, carbon dioxide (CO₂), dry powder.

Special fire-fighting precautions: The product when wet renders surfaces extremely slippery.
Special protective equipment for firefighters: No special protective equipment required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: No special precautions required.
Environmental precautions: DO NOT contaminate water.
Methods of cleaning up: DO NOT FLUSH WITH WATER. Clean up promptly by sweeping or vacuum. Keep in suitable and closed containers for disposal. After cleaning flush away traces with water.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Wash hands before breaks and at the end of workday.
Storage: Keep in a dry cool place (0-30 degrees C). Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits: The European Disposables and Nonwovens Association (EDANA) recommended Industrial Hygiene Guideline is 0.05 mgm³ respirable superabsorbent polymer dust (respirable dust has a particle size less than 10um). See #11, Toxicological information.
Personal protection equipment:
Respiratory protection: Ventilated respirator with P3 filter cartridge if respiratable dust (particle size <10um) exceeds 0.05 mg/m³.
Hand protection: Gloves are recommended.
Eye protection: Safety Glasses with side shields. Do Not wear contact lenses.
Skin and body protection: No special protective clothing required.
Hygiene measures: Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Granular solid.
Color: White.
Odor: None.

pH:	5-7 (@ 0.1% in a 1% Na Cl solution).
Melting Point degrees C	Not applicable.
Flash point degrees C	Not applicable.
Autoignition temperature:	Not applicable.
Vapor pressure (mm Hg):	Not applicable.
Bulk Density:	See technical Bulletin.
Water solubility:	Insoluble..

10. STABILITY AND REACTION

Stability:	Product is stable, no hazardous polymerization will occur
Hazardous decomposition products:	Thermal decomposition may produce: nitrogen oxides (NOx), carbon oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	
Oral:	Non-toxic: LD50/oral/rat > 5000 mg/kg (rat).
Dermal:	Non-toxic LD50/dermal > 2000 mg/kg (rabbit).
Irritation	
Skin:	Non irritating (rabbit = 0.38).
Eyes:	Testing conducted according to the Draize technique showed the material produces no corneal or iridial effects and only slightly transitory conjunctival effects similar to those which all granular materials have on conjunctivae.
Sensitization:	Testing on humans and laboratory animals show this material to be non-sensitizing.
Chronic toxicity:	A chronic (2 year) inhalation study on rats using micronized superabsorbent dust with a particle size of 2 um established a definite NOEL of 0.05 mg/m ³ . In a few of the test animals, a non-specific inflammatory response occurred in the lungs of a few rats at the high dose level of .08 mg/m ³ .
	The European Disposables and Nonwovens Assoc. (EDANA) has used this result to recommend an Industrial Hygiene Guideline of 0.05 mg/m ³ respirable superabsorbent polymer dust (particle size <10um)

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Ecological injuries are not known or expected under normal use.
Bioaccumulation::	The product is not expected to bioaccumulate.
Persistence / degradability:	Not readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Waste from residue / unused products:	In accordance with local and national regulations
Contaminated packaging:	Can be landfilled or incinerated, when in compliance with local regulations.

14. TRANSPORTATION INFORMATION

Remarks:	Not classified as dangerous in the meaning of transport regulations.
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15. REGULATORY INFORMATION

This product is not a hazardous article and need not be labeled according to EC-Directives as amended.

Inventory Status:

EINECS (Europe)	Existing polymer according to the definition in the 7th Amendment to Directive 67/548/EEC. All starting materials and additives are listed in EINECS.
TSCA (USA)	Complies with all applicable rules or orders under TSCA.

16. OTHER INFORMATION

Person to contact:	Dennis E. Marroni, Product Information & Regulatory Affairs.
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