

# MATERIAL SAFETY DATA SHEET

**Product:** Insta-Snow® Powder Superabsorbent Polymer

No. 2500—28—0—01E

Date: February 26, 2009

**01- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**

**PRODUCT: INSTA-SNOW® POWDER**  
**SUPPLIER: Be Amazing!**  
**P.O. Box 3118**  
**Salt Lake City, UT 84110**  
**801-583-1846**

**02- COMPOSITION / INFORMATION ON INGREDIENTS**

**Chemical Name:** Acrylic Acid Polymer, Sodium Salt (greater than 90% by weight)  
**CAS No.** 9003-04-7

Water (less than 10% by weight)  
 7732-18-5

**03- HAZARDS IDENTIFICATION**

**MOST IMPORTANT HAZARDS:** None

**PHYSICAL & CHEMICAL HAZARDS:**

In the presence of an ignition source dust can form an explosive mixture with air. During thermal decomposition, toxic by-products can be released.

**04- FIRST-AID MEASURES**

**SKIN CONTACTS**

Flush skin immediately with water.

**EYE CONTACT**

Immediately flush eyes with water and seek medical attention.

**INHALATION**  
attention.

Remove to fresh air. Rinse with gargles or approved saline solution and seek medical attention.

**INGESTION**

Rinse mouth with water. Induce vomiting and seek medical attention.

**05- FIRE-FIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA:** Water spray  
 Dry powder  
 Carbon dioxide(CO<sub>2</sub>)  
 Foam

**SPECIFIC HAZARDS**

In the presence of an ignition source, dust can form explosive mixture with air in an enclosed space. At temperature above 200 °C, thermal decomposition giving toxic products; organic derivatives, carbon oxides, can occur.

**SPECIAL PROTECTIVE EQUIPMENT**

**FOR FIREFIGHTERS**

Wear protective clothing, safety goggles and self-contained breathing apparatus.

**06- ACCIDENTAL RELEASE MEASURES**

**PERSONAL PROTECTION**

Avoid contact with skin and eyes.  
 Prohibit inhalation of dust.

**ENVIRONMENTAL PROTECTION**

Do not release into the environment.  
 Do not let the product enter into drains.

**METHOD FOR CLEANING UP**

Recovery  
 Disposal

Sweep or vacuum spilled product. Do not rinse with water. Product is slippery when wet. Destroy by incineration or landfill in accordance with local regulations.

**07- HANDLING AND STORAGE**

**HANDLING PRECAUTIONS:** Storage and handling precautions applicable to products;  
Dust could form an explosive mixture with air in the presence of an ignition source.  
Ensure appropriate exhaust and ventilation at machinery and at places where dust can be generated. (Do not permanently recycle unfiltered air)  
Avoid dust formation.  
Avoid accumulation of static charges.  
Avoid spillage on the floor, product becomes slippery when wet.

**STORAGE CONDITIONS:** Keep container tightly closed.  
Store protected from moisture.  
Keep away from heat and sources of ignition.  
Provide electrical grounding of equipment and electrical equipment usable in explosive atmosphere.

**PACKING MATERIALS:** Paper bags lined with polyethylene or polypropylene film

**08- EXPOSURE CONTROLS / PERSONAL PROTECTION**

**PROTECTIVE PROVISIONS** Ensure sufficient air exchange and / or exhaust in work areas.  
(Do not permanently recycle unfiltered air)

**CONTROL PARAMETERS**

**Exposure limits** Value recommended by EDANA: VME=0.05mg/m<sup>3</sup> (respirable dust) (<10µm)

**PERSONAL PROTECTION EQUIPMENT RECOMMENDATIONS:**

Respiratory	Effective dust mask
Hand	Gloves
Eye	Safety glasses / goggles
Skin and body	long sleeved shirts & non-skid boots
Hygiene measures	Avoid contact with skin and eyes. Wash hands and exposed skin Prohibit inhalation of dust.

**09- PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	White granular powder
Bulk Density	0.62 to 0.74 g/ml
Decomposition Point	ca.330 °C
Solubility in H <sub>2</sub> O	Swells in water
Auto-ignition Temperature	Above 400 °C

**10- STABILITY AND REACTIVITY**

**CONDITIONS TO AVOID** Store protected from moisture.  
Keep away from heat and sources of ignition.

**HAZARDOUS DECOMPOSITION**

**PRODUCTS** Temperature above 200 °C, Thermal decomposition giving toxic products;  
organic vapors, carbon monoxide

**FURTHER INFORMATION** Polymer swells in presence of water.

**11- TOXICOLOGICAL INFORMATION**

Corrosiveness	none	1)
Acute Toxicity	Oral rat LD50: 2,000 mg/kg	1)
Skin Irritation	Not an irritant (Human, Rabbit) 1)	
Eye Irritation	Not an irritant (Rabbit)	1)
Vaginal Mucosal Irritation	Not an irritant (Dog)	1)
Ames Mutagenicity Test	Non-mutagenic	1)
Skin contact sensitization	Non-sensitizing (Rat)	1)
Symptoms of Exposure	Dust may cause eye, nasal, or bronchial irritation.	
Cytotoxicity	Non-cytotoxicity (L929 cell)	

**12- ECOLOGICAL INFORMATION****PERSISTENCE / DEGRADABILITY**

In water Not readily biodegradable: 0% after 28 days

**ECOTOXICITY****AQUATIC TOXICITY****ACUTE TOXICITY****13- DISPOSAL CONSIDERATION****DISPOSAL OF PRODUCT:**

Waste can be gathered and disposed of in accordance with existing local, state and federal environmental regulations. This material is suitable for approved solid waste landfill or by incineration.

**14- TRANSPORT INFORMATION**

ADR / RID Not regulated

IMDG Not regulated

IATA Not regulated

**15- REGULATORY INFORMATION****EEC DIRECTIVE**

**SAFETY DATA** D.91/155/EEC amended by D.93/112/EEC: Dangerous substance and preparations.

**EC CLASSIFICATION / LABELLING**

**DANGEROUS PREPARATIONS** D.88/379/EEC amended by D.93/18/EEC (3<sup>rd</sup> ATP)

Not classified as dangerous.

**INVENTORIES**

TSCA(USA): Conforms, not listed

EINECS(EC) : Conforms

ENCS(Japan) : Conforms

CEPA (Canada) All substances are listed under the DSL or not required listed

WHMIS (Canada) Not a controlled product under this directive

**16- OTHER INFORMATION**

**RECOMMENDED USE:** Superabsorbent polymers

Aqueous fluid absorbent

**REFERENCE 1)** Data of contracted outside laboratory

Regulatory information regarding the use of this substance in a given country is the responsibility of the user. This information relates to the specific material(s) listed. It may not be valid for the material(s) if used in combination with other materials or in any process. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use.

AQUA KEEP Products covered under this document include:

SA60S

SA60SXII

SA60N, Type II ( a.k.a. SA60N-II)

SA55SXII

SA50SXII

SA65S

10SH-PF

10SH-NF

CA-180N

CA-300

BA40B