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
Be Amazing!
P.O. Box 3118
Salt Lake City, UT 84110
801-583-1846

SUPPLIER:

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
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 (CO2)
Foam

SPECIFIC HAZARDS
In the presence of an ignition source, dust can form an 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
Sweep or vacuum spilled product. Do not rinse with water. Product is slippery when wet.
Disposal
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/m³ (respirable dust) (<10µm)

PERSONAL PROTECTION EQUIPMENT RECOMMENDATIONS:
Respiratory                             Effective dust mask
Hand                                   Gloves
Eye                                     Safety glasses / goggles
Skin and body                          long sleeved shirts & non-slip 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 H₂O                      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 (3rd 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