

Material Safety Data Sheet

1 Identification of the substance/preparation and of the company/undertaking

.Product details

.Trade name: Ice Pack

.Manufacturer/Supplier: Ningbo Huasheng Electrical Appliances Co.,Ltd

No. 6 Gubei Road , Simen Industry Area, Yuyao, Zhejiang, P. R . China.

Tel: +86- 0574-62159003

Fax: +86-0574-62157188

.Further information obtainable from: Ningbo Huasheng Electrical Appliances Co.,Ltd

.Information in case of emergency: Ningbo Huasheng Electrical Appliances Co.,Ltd

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2 Composition/information on ingredients

.Chemical characterization: No materials in sufficient quantity to be toxic or injurious to humans or to cause acute or chronic health problems.

.Description: Mixture of substances listed below with additions.

	.Product Name:	CAS Number	Approximate(%)by Wt.Or Vol.	
	Pure water	7732-18-5	99%	
	Super Absorbent Polymer	9033-79-8	1%	

3 Hazards identification

.NFPA ratings (scale 0 - 4)



Health = 0; Fire = 1; Reactivity = 0

.HMIS-ratings (scale 0 - 4)

HEALTH	0
FIRE	1
REACTIVITY	0

Health = 0; Fire = 1; Reactivity = 0

.Potential Acute Health Effects:

Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of inhalation.

.Potential Chronic Health Effects:

Slightly hazardous in case of skin contact (sensitizer).

Carcinogenic effects: Not available.

Mutagenic effects: Not available.

Teratogenic effects: Not available.

Developmental toxicity: Not available.

4 First aid measures

Persons using these products should consult a physician or other medical professional if an accident involving these products in injury. Specific first-aid measures are as follows:

.Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

.Skin Contact: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

.Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

.Ingestion: Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

.Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

.Serious Inhalation: Not available.

.Serious Ingestion: Not available.

5 Fire-fighting measures

.Extinguishing Media: Foam, CO₂, Dry Chemical or Water Fog.

Use the above or any Class B extinguishing agent. Water may be unsuitable as an extinguishing medium, but helpful in keeping adjacent containers cool.

.Flammability of the Product: May be combustible at high temperature.

.Flammable Limits: Not available.

.Products of Combustion: Not available.

.Fire Hazards in Presence of Various Substances: Not available.

.Explosion Hazards in Presence of Various Substances:

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

Risks of explosion of the product in presence of static discharge: Not available.

.Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

.Special Remarks on Fire Hazards: Material in powder form, capable of creating a dust explosion.

.Special Remarks on Explosion Hazards: Not available.

6 Accidental release measures

.Small 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.

.Measures for environmental protection:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/surface or ground water.

.Measures for cleaning/collection:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

.Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system.

.Reporting: U.S.A. regulations may require reporting spills of this material that could reach any surface waters.

7 Handling and storage

.Precautions:

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

.Handling:

User Exposure: Do not breathe vapor. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

.Storage:

.Requirements to be met by storerooms and receptacles: Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

.Information about storage in one common storage facility: Not required.

.Further information about storage condition: Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Flammables-area.

8 Exposure controls/personal protection

.Additional information about design of technical facilities: No further data; see item 7.

.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.

.Additional information: The lists valid during the making were used as basis.

.Personal protective equipment:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

.Protective Gloves:



Protective Gloves

Rubber or plastic acid-resistant gloves with elbow-length gauntlet.

.Eye Protection:



Tightly sealed goggles

.Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

.Exposure Limits: Not available.

9 Physical and chemical properties

.General Information	
.Form:	White plastic box
.Color:	Colorless transparent
.Odor:	Odorless.
.Change in condition	
.Melting point/Melting range:	Not available
.Boiling point/Boiling range:	Not available
.Flashpoint:	>95 °C
.Self-igniting:	Not available
.Danger of explosion:	Not available
.Density:	Not available
.Relative density:	Not available
.Vapor density:	Not available
.Evaporation rate	Not available
.Solubility in/Miscibility with Water:	Solubility
.PH-Value:	8.4
.Viscosity:	
.Dynamic:	Not available

10 Stability and reactivity

- .Chemical Stability:** Stable under normal temperatures and pressures.
- .Decomposition Products:** Products of thermal decomposition can include produce toxic gases (e.g. carbon oxides, nitrogen oxides, various hydrocarbons)..
- .Materials with which substance is incompatible:** None known.
- .Hazardous Polymerizations:** Will not occur.
- .Conditions to Avoid:** Avoid exposure or contact to extreme temperatures, incompatible chemicals.

11 Toxicological information

- .Routes of Entry:** Not available.
- Toxicity to Animals:**
- LD50: Not available.
- LC50: Not available.
- .Chronic Effects on Humans:** Causes damage to the following organs: lungs, mucous membranes.
- .Other Toxic Effects on Humans:** Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
- .Special Remarks on Toxicity to Animals:** Not available.
- .Special Remarks on Chronic Effects on Humans:** Not available.
- .Special Remarks on other Toxic Effects on Humans:** Not available.
- .Section 12:** Ecological Information

12 Ecological information

- .Ecotoxicological effects:** Not expected to be acutely toxic. But it is harmful if ingested by animals and aquatic life. Because of high molecular weight and hard decomposition will remain in the soil and sink in the water .accumulation and sedimentation will occur.
- .Persistence and degradability:** Sun light may cause surface degradation .It is expected to be inert in the environment and not to bio gradate.
- .Other adverse effects:** Not expected to be acutely toxic. But it is harmful if ingested by animals and aquatic life.

13 Disposal considerations

- .Recycle if possible. Dispose product according to national/regional regulations in force. Send to authorized disposal plants or to authorize controlled condition incinerators. Contaminated packaging may be recycled or disposed; in this case the receiver must be informed of potential hazards.**
- .Waste Disposal Methods:** When no longer needed, these articles may be disposed of as permitted by local waster handling authority.
- .U.S. EPA waste number:** Not applicable.

14 Transport information

- .DOT Classification for Bulk Shipments (non bulk shipments may differ):** Not a DOT controlled material (United States).
- .Hazard class number and description:** Not applicable
- .Packing Group:** Not applicable
- .UN Identification:** Not applicable
- .U.S. DOT:** Not applicable
- .North American Emergency response guidebook number, 2000:** Not applicable
- .Marine Pollutant:** No component of these products is designated as a Marine Pollutant, per Appendix B to 49 CFR 172. 101
- .Transport Canada transportation of dangerous goods regulations:** These products are not considered as dangerous goods, per regulations of transport Canada.

15 Regulatory information

- .Sara reporting requirements:** Not applicable as an article. The components of these products do not have requirements as pure compounds; if dusts from the product are produced, SARA requirements may be applicable.
- .Sara threshold planning quantity:** There are no specific threshold planning quantities for the components of these products. None of the ingredients is listed.
- .TSCA (Toxic substances Control ACT):** There are articles and are not subject to the requirements of TSCA.
- .California Safe drinking water and toxic enforcement act (Proposition 65):** No component of these products is on the proposition 65 lists.

16 Other information**16 Other information**

The contents and format of this MSDS/SDS are in accordance with REGULATION (EC) No 1907/2006, EU Commission Directive 1999/45/EC, 1967/548/EEC.

DISCLAIMER OF LIABILITY

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