



SDS Report

No.: CANML1506198301

Date: 28 Apr 2015

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SGS Job No. : GZIN1504015102PC
 SGS Internal Reference No. : 2.1
 Sample Name : Super Absorbent Polymer
 End Uses : water absorbent
 Composition/Ingredient of sample (as per client submission) : See *section 3 Composition/information on ingredients* on the SDS report
 Job Receiving Date : 22 Apr 2015
 Last Information Date : 23 Apr 2015
 SDS Preparation Period : 22 Apr 2015 - 28 Apr 2015

Service Requested : Safety Data Sheet (SDS) for the sample with submitted composition.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Remark:
The SDS is prepared based on the information provided by client.

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Oscar Wang
Approved Signatory



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Safety Data Sheet

29 CFR 1910.1200

Printing date 04/28/2015

Reviewed on 04/27/2015

1 Identification

- **Product identifier**
- **Trade name:** Super Absorbent Polymer
- **Recommended use of the chemical and restrictions on use:**
- **Application of the substance / the preparation:** water absorbent
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** Γ
- **Full address:**
- **Phone number:**
- **Email:**
- **Other US contact point:** Not available
- **Further information obtainable from:**
- **Emergency telephone number:**
USA Poison Center
Tel: +1 800 222 1222
+86-13727071681 He Hanhui
- **Reference Number:** GZIN1504015102PC-2.1, CANML1506198301

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Information concerning particular hazards for human and environment:**
The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **Label elements**
- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:**
Mixture of the substances listed below with nonhazardous additions.
For the wording of listed risk phrases refer to section 16.

· Composition:		
9033-79-8	2-Propenoic acid, polymer with sodium 2-propenoate (1:1)	95.0%
7732-18-5	water	5.0%

- **Remark:**
2-Propenoic acid, polymer with sodium 2-propenoate (1:1) (CAS: 9033-79-8)
Note: Cross-linked polyacrylate copolymers

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4 First-aid measures

- **Description of first aid measures**
- **After inhalation:**
Quickly from the scene to fresh air. Keep respiratory tract unobstructed. Such as difficulty in breathing, give oxygen. If breathing stops, artificial respiration immediately. Go to a doctor.
- **After skin contact:** Wash skin thoroughly with soap and water or water.
- **After eye contact:** Mention eyelid, irrigate with flowing water or normal saline.
- **After swallowing:** Avoid by all means drinking lots of water. Vomiting. Go to a doctor.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂ extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Special protective equipment and precautions for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Pick up mechanically.

7 Handling and storage

- **Precautions for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure.**
- **Appropriate engineering controls:** See Section 7 for information about design of technical facilities.

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- **Personal protective equipment:**

- **Breathing equipment:**

At high concentration in the air, self-priming filter type dust mask should be worn. When necessary, suggest to wear self-contained breathing apparatus.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Wear tape gas-protection clothing.

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Sending protective glasses.

9 Physical and chemical properties

· General Information	
· Appearance:	
Form:	Solid
Color:	White granular solid
· Odor:	Odorless
· Odour threshold:	Not available
· pH-value:	6-8 (1% of saline concentration)
· Change in condition	
Melting point/Melting range:	Not available
Freezing point:	Not available
Boiling point/Boiling range:	Not available
· Flash point:	Not available
· Flammability (solid, gaseous):	Product is not flammable.
· Auto-Ignition temperature:	Not available
· Decomposition temperature:	Not available
· Explosion limits:	
Lower:	Not available
Upper:	Not available
· Vapor pressure:	Not available
· Density:	0.3-0.9 g/cm ³ (2.504-7.511 lbs/gal)
· Relative density	Not available
· Vapour density	Not available
· Evaporation rate	Not available

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- | | |
|--|--|
| · Solubility in / Miscibility with Water: | Not available |
| · Partition coefficient (n-octanol/water): Not available. | |
| · Viscosity: | |
| Dynamic: | Not available. |
| Kinematic: | Not available |
| · Other information | No further relevant information available. |

10 Stability and reactivity

- **Reactivity:** Inert
- **Chemical stability:** Stable under normal operating and storage conditions.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Sun exposure, alkaline substances
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

Oral	LD50	>5000 mg/kg (mouse)
Dermal	LD50	>2000 mg/kg (rabbit)

· **Primary irritant effect:**

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
The product is not subject to classification according to internally approved calculation methods for preparations.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** biodegradation

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- **Bioaccumulative potential:** Does not bioaccumulate
- **Mobility in soil:** No further relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· UN-Number	
· DOT, IMDG, IATA	Not applicable
· UN proper shipping name	
· DOT, IMDG, IATA	Not applicable
· Transport hazard class(es)	
· DOT, IMDG, IATA	
· Class	Not applicable
· Label	
· Packing group	
· DOT, IMDG, IATA	Not applicable
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	Packing should be full of shipment, the loading should be safe. To ensure that the container does not leak during the process of transportation, no fall, no damage. It is strictly prohibited during mixed with food chemicals, etc. Transit should prevent insolate, rain, heat. Transportation vehicles should make a thorough cleaning.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

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Trade name: Super Absorbent Polymer

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· Proposition 65

· Chemicals known to cause cancer:
None of the ingredients is listed.
· Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.
· Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.
· Chemicals known to cause developmental toxicity:
None of the ingredients is listed.
· Cancerogenity categories
· EPA (Environmental Protection Agency)
None of the ingredients is listed.
· TLV (Threshold Limit Value established by ACGIH)
None of the ingredients is listed.
· NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.

16 Other information

· NFPA ratings (scale 0 - 4)



· HMIS ratings (scale 0 - 4)



The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g)

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in anyway connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

· Date of preparation / last revision 04/28/2015 / -

· Abbreviations and acronyms:

- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent

End of document

