

SDS Report

No. SHAMLP1815987101

Date: Aug. 6, 2018

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SGS Ref. No. : SHIN1807050498PC
Sample Name : Super Water-absorbent Polymer
End Uses : Water absorbent carrier
Model #s: : See *Section 3 Composition/information on ingredients* on the SDS report
• 6700 :
• 6705 : Jul 18, 2018
• 6710 : Jul 24, 2018
• 6715 : Jul 18 - Jul 30, 2018
• 6716 :
• 6717 :
• 6700FR : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.
• 6705FR :
• 6710FR :
• 6717FR :

Composition/Ingredient of sample (as per client submission) : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2015/830, and is provided per attached.
Job Receiving Date :
Last Information Date :
SDS Preparation Period :

Service Requested

Summary

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Wei WANG, Terry
Approved Signatory



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Safety Data Sheet

Regulation (EC) No.1907/2006 and 1272/2008

Printing date 30.07.2018

Version number 1

Revision: 25.07.2018

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Super Water-absorbent Polymer
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** Water absorbent carrier
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Jinan Huadi Industry and Trade Co., Ltd.
 Shangbei Industrial Zone, Shanghe County, Jinan, Shandong, China
 Tel: 0531-66229060
 E-mail: apple@jnhuadi.com
- **Only Representative/ other EU contact point:** Not available
- **Further information obtainable from:** Jinan Huadi Industry and Trade Co., Ltd.
- **1.4 Emergency telephone number:**
 Ada Li
 Tel: 15969689795
- **UNITED KINGDOM**
 National Poisons Information Service
 Tel: +44 (0) 344 892 0111 (for healthcare professional)
 +44 (0) 845 46 47 (in England or Wales)
 +44 (0) 8454 24 24 24 (in Scotland)
- **1.5 Reference Number:** SHIN1807050498PC; SHAMLP1815987101

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

- **Information concerning particular hazards for human and environment:**
 The product has to be labelled due to the calculation procedure of Regulation (EC) No. 1272/2008.
- **Classification system:**
 The classification is according to the latest edition of EU Regulation (EC) No. 1272/2008, and extended by company and literature data.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
 The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labelling:** Not applicable.
- **Hazard statements**
 H319 Causes serious eye irritation.
- **Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P264	Wash thoroughly after handling.

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Trade name: Super Water-absorbent Polymer

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P280 Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description:

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to Section 16.

Composition:

CAS: 9003-04-7	2-Propenoic acid, homopolymer, sodium salt	Eye Irrit. 2, H319	92.0%
CAS: 7732-18-5 EINECS: 231-791-2	Water		8.0%

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Never give anything by mouth to an unconscious person.

Rinse out mouth with water.

Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes.

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- Avoid contact with skin.
- Avoid formation of dust.
- Ensure adequate ventilation.
- Use respiratory protective device against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
 - Pick up mechanically.
 - Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections**
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
 - Avoid contact with eyes and skin.
 - Ensure good ventilation/exhaustion at the workplace.
 - Keep away from heat and direct sunlight.
 - Keep receptacles tightly sealed.
 - Prevent formation of dust.
 - Thorough dedusting.
 - For the general occupational hygienic measures refer to Section 8.
- **Information about fire - and explosion protection:** Normal measures for preventive fire protection.
- **7.2 Conditions for safe storage, including any incompatibilities**
 - **Requirements to be met by storerooms and receptacles:** Store in a cool location.
 - **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Store away from oxidising agents.
 - **Further information about storage conditions:**
 - Keep container tightly sealed.
 - Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
 - **Ingredients 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.
 - **DNELs:** Data not available.
 - **PNECs:** Data not available.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
 - **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure**
 - **Appropriate engineering controls**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing.
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes and skin.
 - See Section 7 for information about design of technical facilities.

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- **Personal protective equipment**
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **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.

- **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:**



Tightly sealed goggles

- **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Powder
Colour:	White
Odour:	Odourless
Odour threshold:	Data not available.

- **pH-value:** Data not available.

- **Change in condition:**

Melting point/freezing point:	Data not available.
Initial boiling point and boiling range:	Data not available.

- **Flash point:** Data not available.

- **Flammability (solid, gas):** Data not available.

- **Auto-ignition temperature:** Data not available.

- **Decomposition temperature:** Data not available.

- **Self-igniting:** Product is not selfigniting.

- **Explosive properties:** Product does not present an explosion hazard.

- **Explosion limits**

Lower:	Data not available.
Upper:	Data not available.

- **Oxidizing properties:** Data not available.

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· Vapour pressure:	Data not available.
· Density:	Data not available.
· Relative density:	Data not available.
· Vapour density:	Data not available.
· Evaporation rate:	Data not available.
· Solubility in / Miscibility with water:	Data not available.
· Partition coefficient: n-octanol/water:	Data not available.
· Viscosity:	
Dynamic:	Data not available.
Kinematic:	Data not available.
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity No decomposition if used according to specifications.
- 10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification:

9003-04-7 2-Propenoic acid, homopolymer, sodium salt	
Oral LD50	>40,000 mg/kg (rat)
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Causes serious eye irritation.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.

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- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.
- **12.7 Additional ecological information:**
- **General notes:**
 Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:**
 Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|--|-----------------|
| · 14.1 UN-Number | |
| · ADR/RID/ADN, IMDG, IATA | Not applicable. |
| · 14.2 UN proper shipping name | |
| · ADR/RID/ADN, IMDG, IATA | Not applicable. |
| · 14.3 Transport hazard class(es) | |
| · ADR/RID/ADN, IMDG, IATA | |
| · Class | Not applicable. |
| · Label | Not applicable. |
| · 14.4 Packing group | |
| · ADR/RID/ADN, IMDG, IATA | Not applicable. |
| · 14.5 Environmental hazards | |
| Not applicable. | |
| · 14.6 Special precautions for user | |
| Not applicable. | |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | |
| Not applicable. | |
| · UN "Model Regulation": | |
| Not applicable. | |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **MAK(German Maximum Workplace Concentration)**
- None of the ingredients is listed.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations:**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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- Other regulations, limitations and prohibitive regulations

- SVHC Candidate List of REACH Regulation Annex XIV Authorisation (27/6/2018)

None of the ingredients is listed.

- REACH Regulation Annex XVII Restriction (18/4/2018)

See Section 16 for information about restriction of use.

None of the ingredients is listed.

- REACH Regulation Annex XIV Authorisation List (13/6/2017)

None of the ingredients is listed.

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- Relevant hazard statements

H319 Causes serious eye irritation.

- Classification according to Regulation (EC) No 1272/2008

Serious eye damage/eye irritation

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

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- Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

End of document

EU