

SDS Report

No. SHAHG1405590901

Date: Apr. 17, 2014

Page 1 of 1

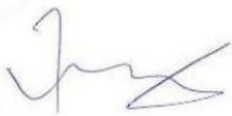
QINGDAO ST-ARN IMP & EXP CO.,LTD
NO.56 HongKong Middle Rd, Qingdao, China

SGS Ref. No. : QDHG201400929
Sample Name : Super Absorbent Polymer
End Uses : Absorb water and retaining water
Composition/Ingredient of sample (as per client submission) : See *section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : Apr 04, 2014
Last Information Date : Apr 09, 2014
SDS Preparation Period : Apr 04-14, 2014

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

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.

Signed for and on behalf of
SGS-CSTC Ltd.



Terry Wang
Approved Signatory



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Safety Data Sheet

29 CFR 1910.1200

Printing date 04/17/2014

Reviewed on 04/09/2014

1 Identification

- **Product identifier**
- **Trade name:** Super Absorbent Polymer
- **Application of the substance / the preparation:** Absorb water and retaining water
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
QINGDAO ST-ARN IMP & EXP CO.,LTD
NO.56 HongKong Middle Rd, Qingdao, China
Tel: 0086-532-86120912
Fax: 0086-532-83888779
- **Further information obtainable from:** QINGDAO ST-ARN IMP & EXP CO.,LTD
- **Emergency telephone number:**
Cynthia Liu
Tel: 13791941101
- **Email:** starn@st-arn.com
- **Reference Number:** QDHG201400929; SHAHG1405590901

2 Hazard(s) identification

- **Hazard description:** Not applicable.
- **Information pertaining to particular dangers for man and environment:**
The product is not classified as dangerous according to OSHA Hazard Communication standard (29 CFR 1910.1200)
- **Classification system:**
The classification is according to the latest edition of the OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:** Not applicable

- **Non dangerous components:**

25608-12-2	Polyacrylic acid, potassium salt	96.0%
7732-18-5	water	4.0%

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:**
Supply fresh air; consult doctor in case of complaints.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

(Contd. on page 2)

-USA-

Safety Data Sheet

29 CFR 1910.1200

Printing date 04/17/2014

Reviewed on 04/09/2014

Trade name: Super Absorbent Polymer

(Contd. of page 1)

- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth with water.
Never give anything by mouth to an unconscious person.
If symptoms persist consult doctor.

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.
- **Advice for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation
Keep away from ignition sources
Avoid formation of dust.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Pick up mechanically.
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Prevent formation of dust.
Avoid contact with eyes.
- **Information about protection against explosions and fires:** Normal measures for preventive fire protection.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Store only in the original receptacle.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from flammable substances.
Store away from oxidizing agents.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

(Contd. on page 3)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 04/17/2014

Reviewed on 04/09/2014

Trade name: Super Absorbent Polymer

(Contd. of page 2)

- **Control parameters**
- **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.*
- **Exposure controls**
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure:**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** *Suitable respiratory protective device recommended.*
- **Protection of hands:**
*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:** *Safety glasses*

9 Physical and chemical properties

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

- **General Information**

- **Appearance:**

Form:	Granule
Color:	White
Odor:	Unscented
Odour threshold:	Not available

- **pH-value:** Not available

- **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):** Not available.

- **Auto-Ignition temperature:** Not available

- **Decomposition temperature:** Not available

- **Explosion limits:**

Lower:	Not available.
Upper:	Not available.

- **Vapor pressure:** Not available

- **Density:** Not available.

(Contd. on page 4)

Safety Data Sheet

29 CFR 1910.1200

Printing date 04/17/2014

Reviewed on 04/09/2014

Trade name: Super Absorbent Polymer

(Contd. of page 3)

- | | |
|---------------------------|----------------|
| · Relative density | Not available. |
| · Vapour density | Not available |
| · Evaporation rate | Not available |

- | | |
|--|---------------|
| · Solubility in / Miscibility with Water: | Not available |
|--|---------------|

- | | |
|---|---------------|
| · Partition coefficient (n-octanol/water): | Not available |
|---|---------------|

- | | |
|------------------------------|---------------|
| · Viscosity: Dynamic: | Not available |
|------------------------------|---------------|

10 Stability and reactivity

- **Reactivity** No decomposition if used according to specification.
- **Chemical stability** Stable under recommended storage conditions.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Strong oxidizing agents
- **Hazardous decomposition products:** Hazardous decomposition products formed under fire conditions.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** Not available
- **Primary irritant effect:**
- **on the skin:** Irritating effect possible.
- **on the eye:** Irritating effect possible.
- **Sensitization:** Sensitization possible.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations.
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.
- **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** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (Self-assessment); slightly hazardous for water

(Contd. on page 5)

Safety Data Sheet

29 CFR 1910.1200

Printing date 04/17/2014

Reviewed on 04/09/2014

Trade name: Super Absorbent Polymer

(Contd. of page 4)

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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 |
| · 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. |

15 Regulatory information

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

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

None of the ingredient is listed.

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

None of the ingredients is listed.

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

All ingredients are listed.

- **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.

(Contd. on page 6)

Safety Data Sheet

29 CFR 1910.1200

Printing date 04/17/2014

Reviewed on 04/09/2014

Trade name: Super Absorbent Polymer

(Contd. of page 5)

· **Carcinogenicity 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.

· **National regulations:**

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

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

DISCLAIMER OF LIABILITY

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· **Date of preparation / last revision** 04/17/2014 / -

· *****
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