



**Safety Data Sheet**  
**Regulation (EC) No. 1907/2006, 1272/2008**

Trade Name: Polycarboxylate Superplasticizer Page 1 of 1

## SDS REPORT

Jusuobao Technology Co., Ltd.

No. 202 Angang West Road, Dadaowan Economic Development Zone, Anshan City  
Liaoning Province, China

**Compilation Date** : Mar 08, 2016  
**Sample Name** : Polycarboxylate Superplasticizer  
**End Use** : Concrete additives  
**Composition/Ingredient of The Sample** : See Section 3 on the SDS  
**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 European Commission Directives 67/548/EEC, 1999/45/EC, Regulation (EC) No 1907/2006, Regulation (EC) No 453/2010 and Regulation (EC) No 1272/2008, and is provided per attached.



Signed for and on behalf of  
GSC Technical Center:

Jesse Xu  
Toxicology engineer

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

- **1.1 Product identifier**
  - **Trade name:** Polycarboxylate Superplasticizer
  - **Article Number:**
  - **Registration number:** Data not available
- **1.2 Relevant identified uses of the substance or mixture and uses advised against on**
  - **Application of the substance/ mixture:** Concrete additives
- **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**  
Jusuobao Technology Co., Ltd.  
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Liaoning Province, China  
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- **1.4 Emergency telephone number**  
  
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## **SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
  - **Classification according to regulation (EC) 1270/2008:**  
The product is not classified according to CLP Regulation.
  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC:** Not applicable
  - **Information concerning particular hazards for human and environment:**  
The product has not to be labeled due to the calculation procedure of Directive 67/548/EEC, 1999/45/EC and Regulation 1272/2008.
  - **Classification system:**  
The classification is according to the latest edition of the Directive 67/548/EEC, 1999/45/EC and Regulation 1272/2008, and extended by company and literature data.
- **2.2 Label elements**
  - **Labeling according to Regulation (EC) No 1272/2008:** Not applicable
  - **Hazard pictograms:** Not applicable
  - **Signal word:** Not applicable
  - **Hazard-determining components of the labeling:** Not applicable
  - **Hazard statements:** Not applicable
  - **Precautionary statement:** Not applicable
- **2.3 Other hazards**

• **Results of PBT and vPvB**

**assessment PBT:** Not applicable

**vPvB:** Not applicable

**SECTION 3: Composition/information on ingredients**

• **3.1 Chemical characterization: Mixtures**

• **Description:**

Mixture of the substances listed below with nonhazardous additions.

• **Components:**

|                    |  |         |
|--------------------|--|---------|
| CAS No.: None      | Sodium acrylate copolymer of polyethylene glycol | 30%~60% |
| CAS No.: 7732-18-5 | Water  | 40%~70% |
| EC No.: 231-791-2  |  |         |

**SECTION 4: First aid measures**

• **4.1 Description of first aid measures**

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.

**After inhalation:** Supply with fresh air. Consult doctor if feel unwell.

**After skin contact:** Rinse skin with water and soap. If skin irritation happens, consult doctor.

**After eye contact:** Rinse cautiously with water for several minutes. If eye irritation persists: Get medical attention.

**After swallowing:** Rinse out mouth with water. Consult doctor if feel unwell.

• **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: Fire-fighting measures**

• **5.1 Extinguishing media**

• **Suitable extinguishing agents:** Dry chemical, alcohol-resistant foam, powder, carbon dioxide, water.

• **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.

**SECTION 6: Accidental release measures**

• **6.1 Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.

Wear protective equipment.

Use respiratory protective device against the effects of vapor/gas/fume/aerosol.

Avoid contact with skin and eyes directly.

• **6.2 Environmental precautions:**

*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.*

• **6.3 Methods and material for containment and cleaning up:**

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

*Ensure adequate ventilation.*

*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:**

*Keep store in the original container.*

*Ensure good ventilation/exhaustion at the workplace.*

*Prevent formation of vapor/gas/fume/aerosol.*

*Use respiratory protective device against the effects of vapor/gas/fume/aerosol.*

*Avoid contact with eye and skin.*

• **Information about fire and explosion protection:** *Keep away from flame and ignition sources.*

• **7.2 Conditions for safe storage, including any non-compatibility**

• **Requirements to be met by storerooms and receptacles:**

*Store in a cool, dry location.*

*Store only in the original receptacle and lock up.*

• **Information about storage in one common storage facility:**

*Keep away from strong acid.*

• **Further information about storage conditions:**

*Store in cool, dry conditions in well sealed receptacle.*

• **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 marking 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:**

Handle in accordance with good industrial hygiene and safety practice.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

See section 7 for information about design of technical facilities.

• **Personal protective equipment**

• **Respiration protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

• **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 composition, the resistance of the glove material can't 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**

• **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**

• **Appearance:**

|                                    |  |
|------------------------------------|--|
| <b>Form</b>                        | Viscous liquid                             |
| <b>Color</b>                       | Semitransparent, colorless to light yellow |
| <b>Odor</b>                        | Special faint scent                        |
| <b>Odor threshold</b>              | Data not available                         |
| • <b>pH-value</b>                  | 3.0-5.0                                    |
| • <b>Change in condition</b>       |  |
| <b>Melting point/melting range</b> | Data not available                         |

|  |                               |
|--|-------------------------------|
| <b>Boiling point and boiling range</b>           | Data not available            |
| • <b>Freezing point</b>                          | Data not available            |
| • <b>Flash point:</b>                            | Data not available            |
| • <b>Flammability (solid, gas)</b>               | Data not available            |
| • <b>Decomposition temperature</b>               | Data not available            |
| • <b>Self-ignition</b>                           | Product is not self-ignition. |
| • <b>Danger of explosion</b>                     | Product is not explosive.     |
| • <b>Explosion limits</b>                        |                               |
| <b>Lower:</b>                                    | Data not available            |
| <b>Upper:</b>                                    | Data not available            |
| • <b>Oxidizing properties</b>                    | Data not available            |
| • <b>Vapor pressure</b>                          | Data not available            |
| • <b>Density</b>                                 | 1.13±0.01 g/cm <sup>3</sup>   |
| • <b>Relative density</b>                        | Data not available            |
| • <b>Vapor density</b>                           | Data not available            |
| • <b>Evaporation rate</b>                        | Data not available            |
| • <b>Solubility in/Miscibility with</b>          |                               |
| <b>Water</b>                                     | Soluble                       |
| • <b>Partition coefficient (n-octanol/water)</b> | Data not available            |
| • <b>Viscosity</b>                               |                               |
| <b>Dynamic</b>                                   | Data not available            |
| <b>Kinematic</b>                                 | Data not available            |
| • <b>9.2 Other information</b>                   | Data not available            |

#### **SECTION 10: Stability and reactivity**

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

#### **SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity**
- **LD/LC50 values relevant for classification:** Data not available
- **Primary irritant effect**
- **On the skin:** Irritating effect possible.
- **On the eye:** Irritating effect possible.
- **Sensitization:** Sensitization possible.
- **Toxicokinetics, metabolism and distribution:** No further relevant information available.
- **Acute effects (acute toxicity, irritation and corrosivity):** No further relevant information available.
- **Repeated dose toxicity:** No further relevant information available.

• **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** No further relevant information available.

## SECTION 12: Ecological information

- **12.1 Toxicity**
    - **Aquatic toxicity:** Data not available
  - **12.2 Persistence and degradability:** No further relevant information available.
  - **12.3 Bio-accumulative potential:** No further relevant information available.
  - **12.4 Mobility in soil:** No further relevant information available.
  - **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 large quantities of the product to reach ground water, water course or sewage system

## SECTION 13: Disposal consideration

- **13.1 Waste treatment methods**
  - **Recommendation:** Small quantities can be disposed together with household garbage.
- **Un-cleaned packaging**
  - **Recommendation:** Dispose of contents/container in according to the local/regional/national/ international regulation.

## SECTION 14: Transport information

**This product is not regulated as a hazardous material or dangerous goods for transportation.**

|  |                                  |
|--|----------------------------------|
| • <b>UN-Number</b><br><b>ADR, IMDG, IATA</b>   | Not applicable                   |
| • <b>UN proper shipping name</b><br><b>ADR, IMDG, IATA</b>                                     | Not applicable                   |
| • <b>Transport hazard class (es)</b><br><b>ADR, IMDG, IATA</b><br><b>Class</b><br><b>Label</b> | Not applicable<br>Not applicable |
| • <b>Packing group</b><br><b>ADR, IMDG, IATA</b>   | Not applicable                   |
| • <b>Marine pollution</b>  | No                               |
| <b>Special precautions for user:</b>   | Not applicable                   |
| • <b>UN "Model Regulation":</b>  | -                                |



### **SECTION 15: Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **MAK (German Maximum Workplace Concentration):** None of the ingredients is listed.
- **National regulations**
- **Water hazard class:** Water hazard class 1 (German Regulation) (self-assessment): Slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations**
- **SVHC Candidate list of REACH Regulation Annex XIV Authorization (19/12/2012):** None of the ingredients is listed.
- **REACH Regulation Annex XVII Restriction (13/2/2013):** None of the ingredients is listed.
- **REACH Regulation Annex XIV Authorization List (17/4/2013):** None of the ingredients is listed.
- **Chemical safety assessment:** A Chemical Safe Assessment has not been carried out.

### **SECTION 16: Other information**

**The contents and format of this SDS are in accordance with REGULATION (EC) No 1272/2008, REGULATION (EC) 453/2010, REGULATION (EC) No 1907/2006, EU Commission Directive 1999/45/EC, 67/548/EEC.**

#### **DISCLAIMER OF LIABILITY:**

The information in this MSDS/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 any way connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may not be applicable.

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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 Harmonized System of Classification and Labeling of Chemicals

**DNEL:** Derived No-Effect Level (REACH)

**PNEC:** Predicted No-Effect Concentration (REACH)

**LD50:** Lethal dose, 50 percent

**LC50:** Lethal concentration, 50 percent

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**End of safety data sheet**