



# Shandong Jufu Chemical Technology Co., Ltd.

## Material Safety Data Sheet

### Section 1. Chemical Product and Company Identification

**Product Name:** POWDER POLYCARBOXYLATE SUPERPLASTICIZER

**Model:** JF-PP

**CAS No.:** None

**Application of the substance :**

1. Widely used in precast & ready-mixed concrete, armored concrete and pre-stressed reinforced concrete in key construction projects such as dam and port construction, road building & town planning projects and dwelling erections etc.
2. Suitable for preparation of early-strength, high-strength, high-anti-filtration and selfsealing&pumpable concrete.
3. Used for and widely for self-cured, vapor-cured concrete and its formulations. At the early stage of application, extremely prominent effects are shown. As the result, the modulus and site utilization can be drastically, the procedure of vapor cure is omitted in peakheat summer days.
4. Compatible with Portland cement, normal Portland cement, Portland slag cement, flyash cement and Portland pozzolanic cement etc.

**Supplier:** Shandong Jufu Chemical Technology Co., Ltd.

**Add:** Bld. 4-1001, No. 2177, Tianchen Rd., Jinan, Shandong, China-250101

**T/F:** +86-(0)531-88987705 **E:** info@jfchemtech.com

**Website:** <http://www.jfchemtech.com>

### Section 2. Composition/Information on Ingredients

**Chemical Characterization:** Mixtures

**Description:** Mixture of the substances listed below with nonhazardous additions

**Components:**

<b>CAS No.:</b> 27599-56-0 <b>EC No.:</b> None	Sodium acrylate copolymer of polyethylene glycol	$\geq 95\%$
<b>CAS No.:</b> 7732-18-5 <b>EC No.:</b> 231-791-2	Water	$\leq 4\%$
<b>CAS No.:</b> None <b>EC No.:</b> None	Impurity	$\leq 1\%$

### Section 3. Hazards identification

**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



# Shandong Jufu Chemical Technology Co., Ltd.

## Material Safety Data Sheet

data.

**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

### **Section 4. 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.

### **Section 5. Fire Fighting Measures**

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

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

**Advice for firefighters Protective equipment:** Wear fully protective suit.

### **Section 6. Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures:** Ensure adequate ventilation. Wear protective equipment. Avoid contact with skin and eyes directly.

**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.

**Methods and material for containment and cleaning up:** Ensure adequate ventilation. Dispose contaminated material as waste according to item 13.

**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**

**Handling:** Keep store in the original container. Ensure good ventilation/exhaustion at the workplace. Prevent formation of dust/fume/aerosol. Use respiratory protective device against the effects of dust/fume/aerosol. Avoid contact with eye and skin.

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



# Shandong Jufu Chemical Technology Co., Ltd.

## Material Safety Data Sheet

sources.

**Storage:** Keep container dry. Keep in a cool place. Keep container tightly closed. Keep in a cool, well-ventilated place.

### **Section 8. Exposure Controls / Personal Protection**

**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.

**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/Chemical Properties**

<b>Appearance</b>	White to tan powder
<b>Odor</b>	Slight
<b>PH value</b>	6.0-13.5



## Shandong Jufu Chemical Technology Co., Ltd. Material Safety Data Sheet

---

<b>Melting Point</b>	Data not available
<b>Boiling Point</b>	Data not available
<b>Flash Point</b>	No data available
<b>Flammability (solid, gas)</b>	Combustible
<b>Self-ignition</b>	Product is not self-ignition
<b>Danger of explosion</b>	Product is not explosive
<b>Density:</b>	≥0.45g/cm <sup>3</sup> (bulk density)
<b>Solubility in Water:</b>	Soluble

### **Section 10. Stability and Reactivity**

**Reactivity:** No decomposition if used according to specification.

**Chemical stability:** Stable under recommended storage conditions.

**Possibility of hazardous reactions:** No further relevant information available.

**Conditions to avoid:** No further relevant information available.

**Incompatible materials:** Strong acid.

**Hazardous decomposition products:** No further relevant information available.

### **Section 11. Toxicological Information**

**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**

**Toxicity**

**Aquatic toxicity:** Data not available

**Persistence and degradability:** No further relevant information available

**Bio-accumulative potential:** No further relevant information available

**Mobility in soil:** No further relevant information available

**Results of PBT and vPvB assessment PBT:** Not applicable

**vPvB:** Not applicable

**Other adverse effects:** No further relevant information available

**Additional ecological information**



## Shandong Jufu Chemical Technology Co., Ltd. Material Safety Data Sheet

**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 Considerations**

#### **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. Package/Transportation Information**

**Package:** 25KGs weaved bag with plastic inner.

**Transportation:** No hazardous carriage limited.

**DOT Classification(US):** Not dangerous goods

**TDG Classification(Canada):** Not dangerous goods

**IMDG Classification:** Not dangerous goods

**IATA Classification:** Not dangerous goods

### **Section 15: Other 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**

**Other Special Considerations:** None

**MSDS Revision date:** May, 4th, 2010

**The second revision date:** Jun., 2nd, 2011

**The latest revision date:** Jan., 10th, 2019

**Emergency Contact:** +86-(0)531-88987705



## **Shandong Jufu Chemical Technology Co., Ltd. Material Safety Data Sheet**

---

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Shandong Jufu Chemical Technology Co., Ltd. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Shandong Jufu Chemical Technology Co., Ltd. has been advised of the possibility of such damages.