

\*\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*\*

2-Acrylamido-2-Methylpropane Sulfonic Acid Sodium Salt

\*\*\*\* SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION \*\*\*\*

**MSDS Name:** 2-Acrylamido-2-Methylpropane Sulfonic Acid Sodium Salt  
**Synonyms:** Acrylamido Tertiary Butyl Sulfonic Acid Sodium Salt  
**Company:** Weifang Gold Stone Environment Technology Co., Ltd.  
**CAS Number:** 5165-97-9  
**Product Type:** Multipurpose  
**Phone No.:** 86-536-7202882  
**Fax No.:** 86-536-7202885

\*\*\*\* SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS \*\*\*\*

Composition	CAS NO.	Concentration %	Hazard Symbol
2-Acrylamido-2-Methylpropane Sulfonic Acid Sodium Salt	5165-97-7	47-50	Xi

\*\*\*\* SECTION 3 - HAZARDS IDENTIFICATION \*\*\*\*

**Hazards Identification:** No known hazards

**Emergency Overview:** Harmful in contact with skin and eyes

\*\*\*\* SECTION 4 - FIRST AID MEASURES \*\*\*\*

**Eyes:** Flush immediately with water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Get immediate medical attention.

**Skin:** Wash with soap and water. Soaked clothing should be change. Get immediate medical attention if irritation develops.

**Inhalation:** It's generally not be inhaled through respiratory tract. Once inhale, remove exposed person to fresh air if adverse effects are observed. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. Get immediate medical attention.

**Oral:** It's generally not be swallowed. If swallowed, give 2-4 glasses of water or milk if conscious, get immediate medical attention and induce vomiting as directed by doctors.

\*\*\*\* SECTION 5 - FIRE FIGHTING MEASURES \*\*\*\*

**Extinguishing Media:** Water spray, dry chemical powder, carbon dioxide, or appropriate foam.

**Firefighting Procedures:** Recommend wearing self-contained breathing apparatus and protective clothing. Water may be ineffective fighting fires.

**Other information:** If the package container expose in fire, uncontrolled polymerize danger will be happen, cool down it by spraying water.

\*\*\*\* SECTION 6 - ACCIDENTAL RELEASE MEASURES \*\*\*\*

**Procedures of Personal Precautions:**

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

**Methods for cleaning up:**

Isolate the leaking area immediately. Ventilate spill area. Must not-touch the leakage. Absorb on sand or vermiculite and place in closed containers for disposal. A large number of leak: to build a causeway for disposal. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Flush off the overflow area.

\*\*\*\* SECTION 7 - HANDLING & STORAGE \*\*\*\*

**Handling:** Avoid contact with eyes and skin, and clothing. Fully wash the overalls after replacing. Take a shower after shift and wash clothes. Personal and overalls and goods should be stored separately. Overalls and shoes couldn't be taken home. In the place for storage and usage of this product, it's not allowed to bring, store or use food, drink and cigarette, meanwhile wash face and hands before using food, drink and cigarette. Wash thoroughly after handling.

**Storage:** Store in well ventilated and cool area. Maximum storage temperature is 35°C. Once gel occurs due to water loss, add appropriate water and roll drum until the gel disappear completely. Keep container closed when not in use. Keep away from ignition sources, heat and flame. Avoid direct sun, unloaded with care.

\*\*\*\* SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION \*\*\*\*

**Engineering Controls:** Use with adequate ventilation.

**Personal Protective Equipment:**

**Eye:** Chemical safety goggles.

**Skin:** Wear appropriate protective clothing. Wear chemically protective gloves and galoshes.

**Respiratory:** Wear suitable respiratory equipment if there's gas or irritation occurs.

**Other Protect:** AS far AS resources permit, Safety shower and eye bath is recommended.

\*\*\*\* SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES \*\*\*\*

<b>Appearance</b>	Light colored liquid
<b>Chroma (APHA)</b>	<90
<b>Active content (%)</b>	47-50
<b>Solid content (%)</b>	49-51
<b>Solvent content (%)</b>	Water, 49-51
<b>Refractive index (n<sub>20</sub>/D /25°C)</b>	1.419-1.424
<b>PH</b>	8.0-10.0
<b>Specific gravity (g/cm<sup>3</sup>/20 °C)</b>	1.18-1.21
<b>Viscosity (mPa·s/25 °C)</b>	<14
<b>Freezing point (°C)</b>	-28
<b>Evaporation rate</b>	Similar to water
<b>Combustion range (% , volume)</b>	NO data
<b>Ignition temperature</b>	NO data
<b>Decomposition temperature</b>	NO data

\*\*\*\* SECTION 10 - STABILITY AND REACTIVITY \*\*\*\*

**Stability:** Stable under the dispose and storage conditions described in Section 7.

**Conditions to Avoid:** Not determined.

**Materials to Avoid:** Oxidizing agents.

**Hazardous Polymerization:** Non-hazardous polymerization may occur. Avoid concentrated aqueous solutions. Avoid depletion of polymerization inhibitor.

**Hazardous Decomposition Products:** If decomposition, it may produce CO, CO<sub>2</sub>, Nitrogen oxides, Sulfur oxides and Sulfur trioxide.

\*\*\*\* SECTION 11 - TOXICOLOGICAL INFORMATION \*\*\*\*

**Oral Toxicity:** The LD<sub>50</sub> in rats is >5000 mg/kg. Based on actual data.

**Dermal Toxicity:** The LD<sub>50</sub> in rabbits is >2000 mg/kg. Based on actual data.

**Irritation Data:** Harmful in contact with skin and eyes.

**Genotoxicity test (salmonella):** NO data

\*\*\*\* SECTION 12 - ECOLOGICAL INFORMATION \*\*\*\*

**No data available.**

\*\*\*\* SECTION 13 - DISPOSAL CONSIDERATIONS \*\*\*\*

We encourage recycle usage and comply with all local, national regulations and reference to our relevant documents while disposing, storing, transferring and destroying. If it's necessary to destroy, the hazardous organic materials should be disposed by thermal degradation or incinerated at permitted facility according to local or national regulations.

\*\*\*\* SECTION 14 - TRANSPORT INFORMATION \*\*\*\*

This section provides basic transport disaggregated data, regarding to special requirements, should refer to appropriate regulations.

**ADR / RID**

Hazard Class: Not regulated

**IOM:**

Regular shipping name: Not regulated

**ICAO / IATA:** Not regulated

\*\*\*\* SECTION 15 – REGULATORY INFORMATION \*\*\*\*

**DSCL mark and label specified:**

**Symbol of Danger:** Xi – Irritating

**Risk Statements:** R36 - Irritating to eyes

R37 – Irritating to respiratory

R38 – Irritating to skin

**Safety Statements:** S26 –Flush immediately with water if eyes contact it. Get immediate medical attention.

\*\*\*\* SECTION 16 – OTHER INFORMATION\*\*\*\*

**Other special items:** None known

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It does not represent any guarantee of the properties of the product. Our company shall not be held liable for any damage resulting from handling or from contact with the above product. Users should make their own investigations to determine the suitability of the information for their particular purposes.