



**MSDS Report**

No.: DGC12021801S

Date: February 23, 2012

Page 1 of 1

**Applicant:** Zhejiang Xinhaitian Bio-Technology Co., Ltd.

**Address:** Second stage Industry Concentration Park, Taoyan town, Shaoxing, China

**Manufacturer:** Zhejiang Xinhaitian Bio-Technology Co., Ltd.

**Address:** Second stage Industry Concentration Park, Taoyan town, Shaoxing, China

**Sample Name:** Diallyl dimethyl ammonium chloride

**Model No.:** HFPW-301,HFPW-302

**Job Receiving Date:** February 18, 2012

**Preparation period:** February 23, 2012

**Service requested:** Safety Data Sheet for the Product (MSDS).

**Summary:** The contents and format of this MSDS are in accordance with REGULATION (EC) No 1907/2006, and REGULATION (EC) No 1272/2008.

**Written by:**

*Sally*  
  
*Sally*

**Checked by:**

*Ken*  
Department Director

**Approved by:**

Technical Manager

This document cannot be reproduced except in full, without prior written approval of ATC. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

**Accurate Technology Co., Ltd.**

Address: Science & Industry Park of ATC, No.345, Baima Block, Guantai Road, Nancheng District, Dongguan, Guangdong, China

# MSDS Compliant with Regulation (EC) No.1907/2006, 1272/2008

Issue Date: February 23, 2012

## Section 1 - Chemical Product and Company Identification

**Product Name:** Diallyl dimethyl ammonium chloride

**Manufacture:** Zhejiang Xinhaitian Bio-Technology Co., Ltd.

**Address:** Second stage Industry Concentration Park, Taoyan town, Shaoxing, China

**Model No.:** HFPW-301,HFPW-302

**Post Code:** /

**Tel:** /

**Emergency Telephone:** /

**Fax:** /

**Email:** /

## Section 2 – Composition/Information on Ingredient

Model No.	Chemical Name	Specific gravity	CAS No.
HFPW-301	Diallyl dimethyl ammonium chloride	60%	7398-69-8
	Water	40%	7732-18-5
HFPW-302	Diallyl dimethyl ammonium chloride	65%	7398-69-8
	Water	35%	7732-18-5

## Section 3 - Hazards Identification

**Dangerous cargo mark:** Xi

**Risk Codes:** 36 / 37 / 38

**Safety instructions:** 26-36

**WGK Germany:** 1

**RTECS:** UC6660000

**F:** 3-10

**Hazardous substances data:** 7398-69-8 ( Hazardous Substances Data )

**Invasive ways:** Skin contact, Eye contact, Inhalation, Ingestion

**Health harm:** Small irritation to the skin, low toxicity.

**Environmental hazards:** Under normal temperature is very stable, not hydrolysis.

**Burning explosion harm:** Non-flammable

## Section 4 - First Aid Measures

**Skin:** Immediately flush with plenty of clean water for 15 minutes; seek medical assistance if severe.

**Eyes:** Immediately closed eyelid, washed with a large number of the flow of water, if still uncomfortable, get medical aid.

**Inhalation:** If inhaled, remove to fresh air immediately, seek medical assistance, and ventilate the contaminated area.

**Ingestion:** Rinse mouth with clean water immediately, activate vomit under the direction of expert, and

Issue Date: February 23, 2012

seek medical assistance.

### Section 5 – Fire and Explosion Hazard Data

**Flash(°C):** No date.

**Hazardous characteristics:** N/A

**Extinguishing agent:** N/A

**Fire-fight notes:** N/A

### Section 6 - Accidental Release Measures

**Note:** Staff wear the appropriate personal protective equipment, and trained personnel responsible for clearing. Rapid withdrawal from leakage personnel to a safe area, strictly limit access. Fight or cut off all sources of ignition and electric. To prevent leakage of material into the sewer or confined space. keep ventilation in the leakage area.

**Clean-up methods:** A small amount of leakage: Use sand or other non-flammable materials to absorb; a large number of spills: Build a causeway or control pit gather. Foam coverage, lower vapor disasters. Use pump to transfer tankers or exclusive collector, recycling or shipped to the waste disposal sites.

### Section 7 - Handling and Storage

**Handling Precautions:** Closed operation, providing good conditions for natural ventilation. The operator must go through specialized training, strict compliance with operating rules. Use non-sparking ventilation explosion-proof type equipment. Keep away from heat, ignition sources and no smoking. Keep away from strong oxidizer. Light pack disposal, to prevent packaging and containers damage.

**Storage Precautions:** Stored in a cool, dry, well-ventilated place. Away from heat, ignition sources and materials compatibility. Avoid contact with children. Near the storage areas have adequate fire extinguishers and spill clean-up equipment. Periodic inspection storage container is broken or spilled. Check all new container is properly labeled in good condition.

### Section 8 - Exposure Controls, Personal Protection

**Maximum allowable concentration:** N/A

**Monitoring methods:** N/A

**Engineering controls:** Keep good conditions for natural ventilation.

**Respiratory protection:** In the cation of the concentration in air overweight, wear Direct mask(half mask) In the cation of emergency rescue or evacuation, wear air respirators.

**Eye protection:** Wear protective safety glasses.

**Body protection:** Generally do not need special protection.

**Hand protection:** Wear rubber protective gloves.

**Other protection:** In the workplace non-smoking or eating. After work, take a bath. Separate storage of contaminated clothing, washed standby. Attention to personal hygiene.

**Hygiene measures:** Follow correct safety rules, do not reuse the container that repair or without trade processed. Refer to the MSDS measures, even an empty container handling.



Issue Date: February 23, 2012

### Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**Color:** Transparent, Light-yellow

**Odor:** No irritating smell

**PH value:** 3~7

**Molecular formula:** C<sub>8</sub>H<sub>16</sub>NCI

**Molecular weight:** 161.67

**Effective content(%):** 60 ± 0.5, 65 ± 0.5

**Ionic nature:** Cationic

**Melting point:** 140-148 °C

**Refractive index:** N<sub>20</sub>/D 1.46

**Solubility:** Easily soluble in water, ethanol, isopropyl alcohol, insoluble in ester, ketone and other carbohydrates.

**Usage:** Widely used in Oilfield auxiliaries, sewage treatment, printing and dyeing, paper making, daily chemical and pharmaceutical, textile, leather and other industries.

### Section 10 - Stability and Reactivity

**Stability:** Stable under normal temperature

**Avoid material:** N/A

**Avoid contact with conditions:** N/A

**Aggregate hazard:** N/A

**Decomposition products:** N/A

### Section 11 - Toxicological Information

N/A

### Section 12 - Ecological Information

N/A

### Section 13 - Disposal Considerations

**Waste disposal method:** Follow federal, state and local department all provision about health and abandoned handling.

**Waste Note:** Waste container do not be throw in fire by incineration.

### Section 14 - Transport Information

**Packing:** According to III packaging

**Packing method :** 200 liter polyethylene plastic bucket packaging.

**Transportation Notes:** Transport ago, examine containers is complete, seal or not, ensure that the container does not leak, does not collapse, does not fall and no damage. Strictly prohibited with oxidants, food chemicals and other mixed loading mixed transportation. Conveyance must be thoroughly cleaned, disinfected, or not shipped with other goods. Shipping, the equipped location should be away bedroom,

**MSDS Compliant with Regulation (EC) No.1907/2006, 1272/2008**

Issue Date: February 23, 2012

kitchen, and with the cabin, power, fire ect. Isolation. Road transport, travel routes should be according to the provides routes. Belongs to dangerous chemicals, according to the non-dangerous goods transport.

**Section 15 - Regulatory Information**

Hazardous Chemical Safety Regulation(State Council issued, February 17, 1987), Safety Management of Hazardous Chemicals Implementation Rules (of labor [1992] No. 667), Workplace Safe Use of Chemicals Rule ([1996] Ministry of Labor No. 423) and other regulations, for the hazardous chemicals' safe use, production, storage, transport and handling etc. made corresponding provisions.

**Section 16 - Additional Information**

**References:** N/A

The data in this Material Safety Data Sheet relates only to the specific material designated herein.

.....  
End of document