

Material:Vinyl resin VMA

## Material Safety Data Sheet

Revision Date: 2008/10/25    Date of issue:2006/2/20

### CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Vinyl Resin VMA

Chemical name: Chloroethylene -Vinyl Acetate- Maleic Acid Terpolymer

Chemical family: Vinyl resin

Synonym : None

Supplier: Shexian Sinfeng Chem Co.,Ltd.

West Industry Area, Shexian, Anhui Province, P.R. China

Tel:86-559-6510248

Fax:86-559-6510765

### 1. COMPOSITION INFORMATION:

<u>Component</u>	<u>Amount</u>	<u>Classification:</u>	<u>CAS #</u>	<u>EC #</u>
Polymer with Chloroethylene, vinyl acetate > 99.0 % Maleic acid		Not classified.	9005-09-8	Polymer
Vinyl acetate	< 0.1%	Highly flammable	108-05-4	203-545-4

### 3. HAZARDS IDENTIFICATION

**3.1 This product is not classified as dangerous according to EC criteria.**

#### **3.2 POTENTIAL HEALTH EFFECTS**

Inhalation : No evidence of harmful effects from available information.

Eye contact: Dust causes irritation, experienced as stinging and discomfort or pain.

Vapor may cause mild discomfort.

Skin contact : Brief contact is not irritating. Prolonged or repeated contact may cause discomfort and local redness.

Swallowing : An unlikely route of exposure.

### 4. FIRST AID PROCEDURES

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Material:Vinyl resin VMA

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Inhalation : Remove to fresh air.

Eye contact : Immediately flush eyes with water and continue washing for several minutes. Remove contact lenses, if worn, obtain medical attention.

Skin contact: Remove contaminated clothing. Wash skin with soap and water. Obtain medical attention if irritation persists. Wash clothing before re-use.

Swallowing : If patient is fully conscious, rinse mouth with water.

### NOTES TO PHYSICIAN:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

## 5. FIRE FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

Extinguish fires with water spray or apply alcohol-type or all-purpose-type foam by manufacturer's techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

### 5.2 EXTINGUISHING MEDIA TO AVOID

No information currently available.

### 5.3 SPECIAL FIRE FIGHTING PROCEDURES

Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.

### 5.4 SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Use self-contained breathing apparatus and protective clothing.

### 5.5 UNUSUAL FIRE AND EXPLOSION HAZARDS

During a fire, hydrogen chloride may be produced.

Static ignition hazard can result from handling and use, electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper

Material:Vinyl resin VMA

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bonding and grounding during product transfer as described in National Fire Protection Association documents NFPA77.

### **5.6 HAZARDOUS COMBUSTION PRODUCTS**

Burning or thermal decomposition can produce the following products:

Carbon monoxide and or carbon dioxide, hydrogen chloride, Carbon Monoxide is highly toxic if inhaled; Carbon dioxide in sufficient concentrations can act as an asphyxiant , Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

## **6. ACCIDENTAL RELEASE MEDASURES**

Steps to be taken if Material is released or spilled:

Shut off ignition sources, Cover with sweeping compound, sweep up, collect for disposal. Observe government regulations.

Personal precautions: Wear suitable protective equipment.

## **7. HANDLING AND STORAGE**

### **7.1 HANDLING**

General Handling: No smoking, open flames or sources of ignition in handling and storage area. Good housekeeping and controlling of dusts are necessary for safe handling of product. When appropriate, unique handling information for containers can be found on the product label. Keep away from heat, sparks and flame. Wash thoroughly after handling. Avoid contact with eyes. Keep container closed. Electrically bond and ground all containers, personnel and equipment before transfer or use of material.

Keep container closed.

### **7.2 STORAGE:**

Store in a cool dry places, keep out of sunlight.

## **8. PERSONAL PROTECTION**

### **8.1 PERSONAL PROTECTION**

Respiratory protection: Dust respirator, if dusting conditions exist.

Eye protection : Safety glasses or mono goggles.

Material:Vinyl resin VMA

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Protective gloves : General work gloves acceptable.

Other protective equipment: Eye bath, safety shower.

## 8.2 ENGINEERING CONTROLS

Use good housekeeping and acceptable industrial engineering practices.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Fine powder
Appearance	White
PH vale	Not applicable
Solubility in water (by wt)	Insoluble
Odor	Mild pleasant
Boiling point(750mmHg)	Not applicable
Freezing point	Not applicable
Specific gravity(H <sub>2</sub> O=1)	1.39
Melting point	Not determined
Bulk Density	20°C 0.5 g/cm <sup>3</sup>

## 10. STABILITY AND REACTIVITY

**10.1 STABILITY/INSTABILITY :** Thermally stable at typical use temperatures.

**Conditions to Avoid:** Exposure to elevated temperatures can cause product to decompose.

**Incompatible Materials:** Avoid contact with oxidizing materials.

**10.2 HAZARDOUS POLYMERIZATION :** Will not occur.

### 10.3 Thermal Decomposition

Decomposition products depend upon temperature, air supply and the presence of other materials.

Decomposition products can include and are not limited to: Hydrogen chloride.

**10.3 INHIBITORS/STABILIZERS: Not applicable.**

## 11. TOXICOLOGICAL INFORMATION

Harmful effects not anticipated from swallowing small amounts. Very low toxicity if swallowed.

Material:Vinyl resin VMA

**Inhalation:** Dust may cause irritation to upper respiratory tract (nose and throat).

## **12. ECOLOGICAL INFORMATION**

**12.1 Ecotoxicity:** not found on the harmful effects of aquatic organisms.

**12.2 continuity and degradability:** not biodegradable

## **13. DISPOSAL CONSIDERATIONS**

Any disposal practice must be in compliance with all local and national laws and regulations.  
Do not dump into any sewers, on the ground, or into any body of water.

## **14. TRANSPORT INFORMATION**

ROAD & RAIL: NOT REGULATED

OCEAN: NOT REGULATED

AIR : NOT REGULATED

INLAND WATERWAYS : NOT REGULATED

IMO IMDG CODE(Suggestion according to IMO IMDG Code): The substance is not subject to IMO IMDG Code.

## **15. Other information**

### **15.1 U.S. Federal regulations**

#### **TSCA inventory status and TSCA information:**

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory. This material is in compliance under the 2% polymer Rule.

#### **TSCA 12(b) Export Notification:**

This material does not contain any TSCA 12(b) regulated chemicals.

#### **CERCLA Regulated Chemicals:**

This material does not contain any CERCLA regulated chemicals.

#### **SARA 302 EHS Chemicals:**

This material does not contain any SARA extremely hazardous substances.

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### **SARA 311/312 Hazard Class:**

This product does not present any SARA 311/312 hazards.

### **SARA 313 Chemicals:**

This material does not contain any SARA 313 chemicals above de minimus levels.

HAPS (Hazardour Air Pollutants):

108-05-4 Vinyl acetate

75-01-4 Vinyl chloride

## **15.2 Other international regulations**

### **Details of international registration status**

Listed on the following inventories:

IECSC - China

PICCS - Philippines

ECL - Korea

TSCA - USA

EINECS - Europe

DSL - CANADA

ENCS - Japan

AICS - Australia

HSNO - New Zealand

### **DISCLAIMER**

The information contained herein is , to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control., we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

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