

## MATERIAL SAFETY DATA SHEET (MSDS)

- 1.a) **PRODUCT** H-3165  
1.b) **SUPPLIER**

Company: Chuzhou Hui-Sheng Electronic Materials Co., Ltd.

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### 2. COMPOSITION AND INFORMATION ON INGREDIENTS

Name	Conc. %	CAS #
Methyl-tetrahydrophalic anhydride	>99	26590-20-5

### 3. HAZARDS IDENTIFICATION

Acute toxication: inhale plenty of high density product leads to nausea, soar throat, cough, stuffy chest and difficult breath. No sequelae. This product can also cause skin congestion and dropsy.

Environment damage: damage the environment.

Burning and explosion hazard: no explosion and burning reaction with kinds of tests.

Danger classes: II hazardous chemicals

### 4. FIRST AID MEASURES

Inhalation: remove the victim from the contamination immediately to fresh air.

Skin contact: take off the cloth and flush the skin with soap at least 15 mins, see the doctor.

Eye contact: lift eyelid and flush with plenty of water or physiological saline immediately at least 15 mins. See the doctor.

Ingestion: drink enough warm water to induce vomit. See the doctor.

### 5. FIRE AND EXPLOSION DATA

Fire Fighting Media and instructions: dry chemical powder, carbon dioxide or dry sand, water and foam.

Process: cut the power. Move the container from fire to spacious place. Do not stop spray water until finishing extinguishing to keep the container cool.

Explosion hazards in presence of various substances: none

### 6. ACCIDENTAL RELEASE MEASURES

Elimilate ignition sources. Evacuate from contaminated area to safe place. Take isolation, restrict coming in and going out. People who make treatment should wear respirator and fire protective clothes. Try to cut leaking sources avoid flow to sewer.

Small leakage: try to scoop leaked material into airtight container and absorb with active carbon or other inert material, or flush with plenty of water and drain the diluted material to waste water system.

Large leakage: dike or dig, use receiver to collect leaked material and move to waste treatment station.

## 7. HANDLING AND STORAGE

Handling: operate in doors with ventilation, operator should receive special training and operate strictly abide by rules. Far away from ignition sources. No smoking. Use ventilation equipment. Handle with care. To avoid damaging fire-fighting equipment and emergency treatment devices.

Storage: store in cool warehouse with ventilation. Far away from ignition sources. Avoid sunlight and rain. Keep container closed. Store separately from oxidant, alkali and eatable chemical materials.

## 8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Engineering Controls: ventilate during production

Respiratory protection: wear filter respirator and mask.

Eye protection: no particular protection, wear safety goggles when density is high

Body protection: no particular protection, wear safety clothes when density is high.

Hand protection: wear oil-resistant rubber gloves.

Other protection: no smoking, diet and drinking at workplace. Take shower and change cloth after working.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	liquid
Colour	yellowish transparent liquid
Odour	characteristic odor
Boiling point	295°C
Falsh point	125°C
Self-ignite	not available
Density	1.20g/ml (20°C)
Solubility	soluble in water, alcohol, aether, acet and alkali

## 10. STABILITY AND REACTIVITY DATA

Chemical stability : stable and become acid after contacting water

Forbid to use with: water and alkali

Condition to avoid: flame, water and alkali

Polymerization: no polymerization

Decomposition products: CO and CO<sub>2</sub>

### **11. TOXICOLOGICAL INFORMATION**

Special remarks on chronic effects on humans: may cause skin disease .  
Special remarks on acute effects on humans: LD50: 5050mg/kg

### **12. ECOLOGICAL INFORMATION**

Ecotoxicity: No relevant information found.  
BOD5 and COD: No relevant information found.  
Products of biodegradation: No relevant information found.  
Toxicity of the Products: No relevant information found.

### **13. DISPOSAL CONSIDERATION**

Do not dump into sewers, on the ground or into any body of water.  
Consult an expert on the disposal. Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations.

### **14. TRANSPORT INFORMATION**

Follow all regulations in your country. Not belong to dangerous goods.  
Transport and store according to general caution and instructions in before mentioned comment. Packed with iron cans or plastic cans. Keep the material away from water.

### **15. REGULATORY INFORMATION**

Chemical hazardous material safety management rules( made on Feb 17, 1987) has set rules and regulations on safe production, usages, load and unloads.

### **16. OTHER INFORMATION**

To the best of our knowledge, the information contained here in is accurate.  
However, all materials may present unknown hazards and should be used in caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards, which exist. Final determination of suitability of any material is the sole responsibility of the user.