



1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product identifiers

Product name: Methyltetrahydrophthalic Anhydride(HC2000)

Product No.: HC2000

Brand: HC

CAS No.: 11070-44-3

Registration No.: **-*****-**-****

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Hardeners of epoxy resins.

1.3 Details of the supplier of the safety data sheet

Company: PUYANG HUICHENG ELECTRONIC MATERIAL CO., LTD.

30 West Shengli Road

Puyang, Henan, China 457001

Telephone: +86 393 8917710

Fax: +86 393 8948232

E-mail: services@huichengchem.com

Website: www.huichengchem.com

1.4 Emergency telephone number

Emergency Phone: +86-3938910357

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage(Category 1)

Respiratory sensitization(Category 1)

Skin sensitization(Category 1)

2.2 GHS Label elements, precautionary statements

Pictogram:



Signal word: Danger

Hazard statement(s):

H318: Causes serious eye damage.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317: May cause an allergic skin reaction.

Precautionary statement(s):

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352 : IF ON SKIN: Wash with plenty of soap and water

P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor



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P501: Dispose of contents/ container to an approved waste disposal plant

2.3 Other hazards None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Common Name: Methyltetrahydrophthalic Anhydride(HC2000)

Synonyms: MTHPA; Tetrahydromethy-1,3-isobenzofurandione;
Tetrahydromethylphthalic anhydride;1,2,3,6-Tetrahydromethylphthalic anhydride.

Formula: C₉H₁₀O₃

Molecular Weight: 166.17g/mol

Components	Concentration(% wt)
Methyltetrahydrophthalic Anhydride	
CAS No.: 11070-44-3 EC No.: 234-290-7	≤100.0%

4. FIRST-AID MEASURES

4.1 Description of first aid measures

General advice

Remove contaminated clothing and shoes. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

In case of skin contact

Wash off with soap and plenty of water while removing contaminated clothing and shoes. Consult a doctor. Wash clothing before reuse.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a doctor.

If swallowed

Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a doctor .

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry powder or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for fire-fighting if necessary.

5.4 Further information



No data available.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Ensure adequate ventilation especially in confined areas. Remove all sources of ignition.

Avoid contact with skin, eyes and inhalation of vapors.

Use personal protection recommended in **Section 8**.

6.2 Environmental precautions

Local authorities should be advised if significant spillages cannot be contained; Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and materials for containment and cleaning up

Absorb spill with inert material (sand, earth) and place in container for disposal according to local / national regulations (see Section 13). avoid raising dust/vapour.

6.4 Reference to other sections

No data available.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Wear protective gloves and clothing. Provide sufficient air exchange and/or exhaust in work rooms.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Keep in a dry, cool and well-ventilated place. Remove all sources of ignition.

7.3 Specific end uses

No data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Maximal allowable concentration

No data available.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Mechanical exhaust required.

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin and body protection

Use proper glove to avoid skin contact with this product. Wear protective clothing

Respiratory protection

Use respirator when performing operations involving potential exposure to vapor or particulates of the product.



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- a) Physical state: liquid
- b) Color: colorless or light yellow
- c) Odour: faint odor aromatic
- d) Melting point/freezing point: $\leq -15^{\circ}\text{C}$
- e) Boiling point or initial boiling point and boiling range: no data available
- f) Flammability: $164^{\circ}\text{C}(1003\text{hPa})$
- g) Lower/upper explosion limit/flammability limit : no data available
- h) Flash point: no data available
- i) Auto-ignition temperature: no data available
- j) Decomposition temperature: no data available
- k) pH: No data available
- l) Viscosity: 30~50mPa.S at 25°C
- m) Solubility: no data available
- n) Partition coefficient: n- octanol/water: no data available
- o) Vapour pressure: no data available
- p) Density and / or relative density: $1.20 \pm 0.01(25^{\circ}\text{C})$
- q) Relative vapour density: no data available
- r) Particle characteristics: no data available

9.2 Other safety information

No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known.

10.2 Chemical stability

Stable under the recommended conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Overheat, moisture.

10.5 Incompatible materials

Strong oxidizing agents, strong bases.

10.6 Hazardous decomposition products

No decomposition if used and stored according to specifications.

Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity



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Oral LD50	Dermal LD50	Inhalation LC50
= 2140 mg/kg (Rat)	> 2000 mg/kg (Rat) = 1410 mg/kg (Rabbit)	-

Skin corrosion/irritation

Non-irritating to the skin.

Serious eye damage/eye irritation

Risk of serious damage to eyes

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

None

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

12.6 Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Product:** Disposal should be in accordance with applicable regional, national and local laws and regulations.**Contaminated packaging:** Disposed as unused product.

