



# M.M.C. International B.V.

## MSDS – Material Safety Data Sheet

### 1. Identification of the substance/mixture and of the company

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#### 1.1 Product identifiers

Product name : Phenylacetic Acid Test  
Product number : PHA0110  
Brand : MMC International

#### 1.2 Relevant identified uses of the substance or mixture

Identified uses : Substance Testing

#### 1.3 Details of the supplier of the safety data sheet

Company : M.M.C. International B.V.  
Frankenthalerstraat 16-18  
4816KA Breda  
The Netherlands  
Telephone : +31 76-5711140  
Fax : +31 76-5719300  
E-mail address : Info@mmcinter.com

#### 1.4 Emergency telephone number

Emergency Phone # : 112

### 2. Hazards identification

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#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Skin corrosion (Category 1A), H314

Flammable solids (Category 2)

Acute toxicity, Inhalation (Category 4)

Acute toxicity, Oral (Category 4)

Skin irritation (Category 2)

Serious eye damage (Category 1)

Skin sensitization (Category 1)

Carcinogenicity (Category 2)

Specific target organ toxicity - single exposure (Category 3)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

C Corrosive R35

Highly flammable. Harmful by inhalation and if swallowed. Irritating to respiratory system and skin. Limited evidence of a carcinogenic effect. Risk of serious damage to eyes. May cause sensitization by skin contact

#### 2.2 Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]



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### Hazard statement(s)

H228	Flammable solid.
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.

### Precautionary statement(s)

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### Supplemental Hazard Statements

R11	Highly flammable.
R20/22	Harmful by inhalation and if swallowed.
R37/38	Irritating to respiratory system and skin.
R40	Limited evidence of a carcinogenic effect.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.

### S-phrases(s)

S26	In case of contact with eyes, rinse immediately with plenty of water and Seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### 2.3 Other hazards - none

## 3. Composition/information on ingredients

### 3.1 Mixture:

Component	CAS-No.	Concentration
Sulfuric acid	7664939	85-97%

## 4. First aid measures

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled



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If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

### **In case of skin contact**

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

### **In case of eye contact**

Flush eyes with water as a precaution.

### **If swallowed**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### **4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2)

### **4.3 Indication of any immediate medical attention and special treatment needed**

No data available

## 5. Firefighting measures

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### **5.1 Extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### **5.2 Special hazards arising from the substance or mixture**

Sulphur oxides

### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

### **5.4 Further information**

Use water spray to cool unopened containers

## 6. Accidental release measures

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### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear vapor respirator, safety goggles, rubber gloves, and disposable coveralls (discard coveralls after use). Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### **6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### **6.3 Methods and materials for containment and cleaning up**



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Soak up with inert absorbent material (dry soda ash, calcium carbonate, earth, sand, or vermiculite recommended; do not use flammable substances such as sawdust). Scoop up with a non-sparking tool. Ventilate and wash spill site after collection. Place in container for disposal according to local regulations.

### 7. Handling and storage

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#### 7.1 Precautions to be Taken:

Keep in tightly closed container. Keep cool and dry. Prevent from freezing. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Use only in well-ventilated areas. Do not ingest or inhale. Avoid contact with skin, eyes, and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

#### 7.2 Other Precautions:

"Empty" containers may contain product residue and may be dangerous. Empty containers should be completely drained and bunged and then disposed of according to local, state, and federal regulations.

### 8. Exposure controls/personal protection

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#### 8.1 Ventilation Requirements:

Use only in well-ventilated areas.

#### 8.2 Personal Protective Equipment:

Safety goggles, gloves, vapor respirator, protective clothing.

### 9. Physical and chemical properties

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#### 9.1 Information on basic physical and chemical properties

Boiling Point: NE

Melting Point: 3 °C

Evaporation Rate NE

Vapor Pressure (mm Hg.): 1,33 hPa at 145,8 °C

Specific Gravity (H<sub>2</sub>O = 1): 1,80 - 1,84 g/cm<sup>3</sup>

Vapor Density (AIR = 1): 3,39

Solubility In Water: Miscible

Other Information:

Appearance and Odor: colourless, Acidic odour

### 10. Stability and reactivity

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#### 10.1 Stability:

Stable at room temperature in closed containers under normal storage and handling conditions .

#### 10.2 Incompatibility (Materials to Avoid):

Bases, Halides, Organic materials, Carbides, fulminates, Nitrates, picrates, Cyanides, Chlorates, alkali halides, Zinc salts, permanganates, e.g. potassium permanganate, Hydrogen peroxide, Azides, Perchlorates., Nitromethane, phosphorous, Reacts violently with:, cyclopentadiene, cyclopentanone oxime, nitroaryl amines, hexalithium disilicide, phosphorous(III) oxide, Powdered metals, Brass, Steel (all types and surface treatments), Copper, Acid anhydrides,



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Strong oxidizing agents, Strong reducing agents

### 10.3 Decomposition/By Products:

No data available

### 10.4 Hazardous Polymerization:

Does not occur.

## 11. Toxicological information

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### 11.1 Information on toxicological effects

May be fatal or cause blindness if ingested. Harmful if inhaled. May be absorbed through the skin. May cause central nervous system depression. May cause liver and kidney damage. May cause adverse reproductive and fetal effects based on animal testing.

## 12. Ecological information

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### 12.1 Adverse effects

Prevent from entering sewers or waterways. May be toxic to some aquatic life.

## 13. Disposal considerations

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### 13.1 Information on disposal

Dispose according to local, state, and federal regulations.

## 14. Transport information

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### 14.1 Information on transport

Keep in tightly closed container. Keep cool and dry. Prevent from freezing. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Do not ingest or inhale. Avoid contact with skin, eyes, and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

## 15. Regulatory information

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### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

## 16. Other information

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### 16.1 Risks

Using this product under normal, properly instructed procedures should not be hazardous.

### 16.2 Further Information

The information above is believed to be accurate and represents the best information currently available to us but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.