



## Material Safety Data Sheet

### 1. Product and Company Identification

Catalog Numbers: 3B92-0  
**Product Name**  
 Trade Name: Maleimide  
 Synonyms: 2,5-Pyrroledione  
**Manufacturer & Distributor**  
 Company Name: Reagent World, Inc.  
 Address: 2048 E. Francis Street  
 City: Ontario  
 State: California  
 Postal Code: 91761  
 Country: USA

### Business/Emergency

Phone: 909-947-7779  
 Fax: 909-947-9595  
 URL: <http://www.ReagentWorld.com>

### 2. Hazards Identification

**Emergency Overview:** Toxic if swallowed. Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact.

### Potential Health Effects

**Eye:** Causes eye irritation. Lachrymator (substance which increases the flow of tears).  
**Skin:** Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.  
**Ingestion:** Poison by ingestion.  
**Inhalation:** Causes respiratory tract irritation.  
**Chronic:** -

### 3. Composition/Information on Ingredients

Chemical Name: Maleimide  
 Molecular Formula: C<sub>4</sub>H<sub>3</sub>NO<sub>2</sub>  
 Molecular Weight: 97.07  
 Content: 98%  
 CAS Number: 541-59-3  
 EINECS NO. [EC No]: 208-787-4

### 4. First Aid Measures

**Eye:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.  
**Skin:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.  
**Ingestion:** Get medical aid. Wash mouth out with water.  
**Inhalation:** Remove from exposure and move to fresh air immediately.

### 5. Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.  
**Extinguishing:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

### 6. Accidental Release Measures

**General Information:** Use proper personal protective equipment as listed in Section 8.  
**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container.

### 7. Handling and Storage

**Handling:** Refer to section 8  
**Storage:** 1. Keep in a cool, dry place  
 2. Keep container tightly closed

### 8. Exposure Controls/Personal Protection

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower facility.

### Personal Protective Equipment

**Eyes:** Wear chemical safety goggles.  
**Skin:** Wear appropriate protective gloves.  
**Clothing:** Wear appropriate protective clothing.  
**Respirators:** Wear NIOSH/MSHA - approved respirator

### 9. Physical and Chemical Properties

**Physical State:** Crystalline powder  
**Color:** white - light yellow  
**Odor:** -  
**Boiling Point:** -  
**Melting Point :** 90-94  
**Vapor Pressure :** -  
**Specific Gravity :** -

## Specific Gravity :

PH: -

Solubility in Water : soluble in water

Flash Point: -

Autoignition Temperature : -

Decomposition Temperature : -

**10. Stability and Reactivity**

Chemical Stability: -

Conditions to Avoid: Incompatible materials.

Incompatibilities with Other: Strong oxidizing agents, strong acids, strong bases, strong reducing agents.

Hazardous Decomposition Products : Nitrogen oxides, carbon monoxide, carbon dioxide.

Polymerization : -

**11. Toxicological Information**

RTECS#: ON4800000

Toxicity Data[LD50/LC50]: Oral, mouse: LD50 = 80 mg/kg.

Carcinogenicity: -

Other: See actual entry in RTECS for complete information.

**12. Ecological Information**

Ecotoxicity: -

Other: -

**13. Disposal Considerations**

Disposal considerations: Contact a licensed professional waste disposal service to dispose of this material in a manner consistent with federal, state and local environmental regulations

**14. Transport Information**

Shipping Name: TOXIC SOLID, ORGANIC, N.O.S.

Hazard Class: 6.1

UN Number: 2811

Packing Group: III

**15. Regulatory Information**

European/International Regulations: -

**European Labeling in Accordance with EC Directives**

Hazard Symbols: 1.T

R-Phrases: 1.Toxic if swallowed.  
2.Irritating to eyes.  
3.Irritating to respiratory system.  
4.Irritating to skin.  
5.May cause sensitization by skin contact.S-Phrases: 1.In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
2.After contact with skin, wash immediately with plenty of water.  
3.Wear suitable gloves.  
4.Wear eye/face protection.  
5.In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK(Water Danger/Protection): 1

US Federal TSCA: CAS# 541-59-3 is listed on the TSCA inventory.

**16. Other Information**

Other information: The above information is believed to be accurate but does not suppose to be all inclusive and shall be used only as a guide. Reagent World makes no warranty of merchantability or any other warranty, express or implied, with respect to such information. Users should make their own investigations to determine the accountability of the information for their purposes in particular. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential of exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

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