



# 杭州大阳化工有限公司

## Hangzhou Dayangchem Co., Ltd.

### Material Safety Data Sheet

No :M-1886

#### Section 1 - Product and Company Identification

**MSDS Name:** N-Phenylmaleimide

**Synonyms:** 1-Phenyl-1H-pyrrole-2,5-dione

**Company Identification:** Hangzhou Dayangchem Co., Ltd.

**For information, call:** 86-571-88938639

**For information,E-mail:** infores@chinadayangchem.com

**Emergency Number:** 86-571-88938639

**For CHEMTREC assistance, call:** 86-571-88938639; FAX:86-571-88938652

#### Section 2 - Composition, Information on Ingredients

| CAS#     | Chemical Name     | %   | EINECS#   | Hazard Symbols: | Risk Phrases: |
|----------|-------------------|-----|-----------|-----------------|---------------|
| 941-69-5 | N-Phenylmaleimide | 99+ | 213-382-0 | T               | 25 36/37/38   |

Text for R-phrases: see Section 16

**Hazard Symbols:**



**Risk Phrases:** 25 36/37/38

## Section 3 - Hazards Identification

### EMERGENCY OVERVIEW

*Toxic if swallowed. Irritating to eyes, respiratory system and skin.*

#### Potential Health Effects

The toxicological properties of this substance have not been fully investigated.

## Section 4 - First Aid Measures

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**Inhalation:** Remove from exposure and move to fresh air immediately.

**Notes to Physician:**

## Section 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 Media:** In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

## Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Sweep up, then place into a suitable container for disposal.

## Section 7 - Handling and Storage

**Handling:** Not available

**Storage:** Not available

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits:**

CAS# 941-69-5:

**Personal Protective Equipment**

**Eyes:** Wear safety glasses and chemical goggles if splashing is possible.

**Skin:** Wear safety glasses and chemical goggles if splashing is possible.

**Clothing:** Wear appropriate protective clothing to minimize contact with skin

**Respirators:** Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

## Section 9 - Physical and Chemical Properties

**Physical State:** Crystalline powder.

**Color:** yellow.

**Odor:** Not available.

**pH:** Not available.

**Vapor Pressure:** Not available.

**Viscosity:** Not available.

**Boiling Point:** 162 - 163 deg C @ 12mmHg

**Freezing/Melting Point:** 86 - 90 deg C

**Autoignition Temperature:** Not available.

**Flash Point:** Not available.

**Explosion Limits:Lower:** Not available.

**Explosion Limits Upper:** Not available.

**Decomposition Temperature:** Not available.

**Solubility in water:** Not available.

**Specific Gravity/Density:**

**Molecular Formula:** C<sub>10</sub>H<sub>7</sub>NO<sub>2</sub>

**Molecular Weight:** 173.17

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Not available

**Incompatibilities with Other Materials:** Strong oxidizing agents, strong bases.

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

**Hazardous Polymerization:** Has not been reported.

## Section 11 - Toxicological Information

**RTECS#:** CAS# 941-69-5: ON5950000

**LD50/LC50:** RTECS:

**CAS# 941-69-5:** Draize test, rabbit, skin: 500 mg Mild;

Oral, mouse: LD<sub>50</sub> = 78 mg/kg;

Oral, rat: LD<sub>50</sub> = 58 mg/kg;

**Carcinogenicity:** N-Phenylmaleimide - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

**Other:** See actual entry in RTECS for complete information.

## Section 12 - Ecological Information

Not available.

## Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

## Section 14 - Transport Information

|   | IATA                             | IMO                             | RID/ADR                         |
|---|----------------------------------|---------------------------------|---------------------------------|
| <b>Shipping Name:</b>                               | TOXIC SOLID,<br>ORGANIC, N.O.S.* | TOXIC SOLID,<br>ORGANIC, N.O.S. | TOXIC SOLID,<br>ORGANIC, N.O.S. |
| <b>Hazard Class:</b>                                | 6.1                              | 6.1                             | 6.1                             |
| <b>UN Number:</b>                                   | 2811                             | 2811                            | 2811                            |
| <b>Packing Group:</b>                               | III                              | III                             | III                             |
| <b>marine pollutant:</b> Not available.             |                                  |                                 |                                 |
| <b>other applicable information:</b> Not available. |                                  |                                 |                                 |

## Section 15 - Regulatory Information

### European/International Regulations

European Labeling in Accordance with EC Directives

**Hazard Symbols:**T

**Risk Phrases:**

R 25 Toxic if swallowed.

R 36/37/38 Irritating to eyes, respiratory system and skin.

**Safety Phrases:**

S 24/25 Avoid contact with skin and eyes.

**WGK (Water Danger/Protection):**

CAS# 941-69-5: Not available

Canada

CAS# 941-69-5 is listed on Canada's DSL List

**US Federal**

TSCA

CAS# 941-69-5 is listed on the TSCA Inventory.

**Section 16 - Additional Information****Text for R-phrases from Section 2**

**MSDS Creation Date:** 08/07/2007

**Revision #1 Date:** 23/09/2008

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event 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, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.*