

## Material Safety Data Sheet

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** Salicylhydroxamic Acid  
**Synonyms:** 2-Hydroxybenzohydroxamic acid, N,2-Dihydroxybenzamide  
**Company Identification:** PI Chemicals Ltd.  
Building B, 633 E Shan Road, Pudong New Area  
Shanghai 200127, China  
**Telephone Number:** 86-21-58953700  
**Fax Number:** 86-21-58953701

### Section 2 - Product Information

**Catalog Number:** PI-31365  
**CAS Number:** 89-73-6  
**MDL Number:** MFCD00002110  
**EC Number:** 201-934-3  
**Purity:** 98%

### Section 3 - Physical and Chemical Properties

**Physical state:** Crystal  
**Color:** Off-white to pink  
**Molecular Formula:** C<sub>7</sub>H<sub>7</sub>NO<sub>3</sub>  
**Molecular Weight:** 153.14  
**Freezing/Melting Point:** 177 °C (dec.)(lit.)  
**Boiling Point:** Not available  
**Flash Point:** Not available  
**Autoignition Temperature:** Not available  
**Refractive Index (n<sub>D</sub>20):** Not available  
**Density:** Not available  
**Decomposition Temperature:** Not available  
**Solubility:** Not available

### Section 4 - Hazards Identification

**Eye:** Causes eye irritation.  
**Skin:** Causes skin irritation. Harmful if absorbed through the skin.  
**Ingestion:** May cause irritation of the digestive tract. Toxic if swallowed.  
**Inhalation:** Harmful if inhaled. Causes respiratory tract irritation.

## **Section 5 - First Aid Measures**

|                                 |   |
|---------------------------------|---|
| <b>If inhaled:</b>              | If breathed in, move person into fresh air. If not breathing give artificial respiration. |
| <b>In case of skin contact:</b> | Wash off with soap and plenty of water.   |
| <b>In case of eye contact:</b>  | Flush eyes with water as a precaution.  |
| <b>If swallowed:</b>            | Never give anything by mouth to an unconscious person. Rinse mouth with water.            |

## **Section 6 - Stability and Reactivity**

|  |   |
|--|---|
| <b>Chemical Stability:</b>               | Stable under recommended storage conditions.      |
| <b>Materials to Avoid:</b>               | Strong oxidizing agents, strong bases.            |
| <b>Hazardous Decomposition Products:</b> | Carbon monoxide, Carbon dioxide, Nitrogen oxides. |
| <b>Hazardous Polymerization:</b>         | Has not been reported.                            |

## **Section 7 - Handling and Storage**

|                  |   |
|------------------|---|
| <b>Handling:</b> | Provide appropriate exhaust ventilation at places where dust is formed. |
| <b>Storage:</b>  | Keep container tightly closed in a dry and well-ventilated place.       |

## **Section 8 - Personal Protection**

|                     |  |
|---------------------|--|
| <b>Eyes:</b>        | Wear appropriate protective eyeglasses.  |
| <b>Skin:</b>        | Wear appropriate protective gloves to prevent skin exposure.   |
| <b>Clothing:</b>    | Wear appropriate protective clothing to prevent skin exposure.   |
| <b>Respirators:</b> | Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. |

## **Section 9 - Fire and Explosion Hazard Data**

|                             |   |
|-----------------------------|---|
| <b>General Information:</b> | As in any fire, wear a self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and protective clothing to prevent contact with skin and eyes. |
| <b>Extinguishing Media:</b> | Use water spray, dry chemical, carbon dioxide, or appropriate foam.   |

## **Section 10 - Accidental Release Measures**

|                             |   |
|-----------------------------|---|
| <b>General Information:</b> | Use proper personal protective equipment as indicated in Section 8.       |
| <b>Spills/Leaks:</b>        | Vacuum or sweep up material and place into a suitable disposal container. |

## **Section 11 - Toxicological Information**

**RTECS#:** CAS# 89-73-6: VO6870000.  
**LD50/LC50:** RTECS # VO6870000.  
**Carcinogenicity:** Salicylhydroxamic Acid -Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

### ***Section 12 - Environmental information***

Not available

### ***Section 13 - Disposal Consideration***

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

### ***Section 14 - Transport Information***

**IATA:** Not dangerous goods.

**IMO:** Not dangerous goods.

**RID/ADR:** Not dangerous goods.

### ***Section 15 - Regulatory Information***

**Hazard Symbols:** Xn

**Indication of Danger:** Harmful

**Risk Phrases:**

R 20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

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

R 40 Limited evidence of a carcinogenic effect.

**Safety Phrases:**

S 22: Do not breathe dust.

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36: Wear suitable protective clothing.

### ***Section 16 - Additional Information***

**MSDS Creation Date:** 22 February, 2007

**Update:** 24 June, 2011

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