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**MATERIAL SAFETY DATA SHEET (MSDS)****2-CHLORO BENZOIC ACID (O-CHLORO BENZOIC ACID)****1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name : 2-CHLORO BENZOIC ACID (O-CHLORO BENZOIC ACID)

Product code : C0066705000

Identification of the product : 2-CHLOROBENZOIC ACID 99%  
CAS No: 118-91-2

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

Use : Industrial. For professional use only.

**1.3. Details of the supplier of the safety data sheet**

Company identification : SUVCHEM  
Chaitanya Tower, 2nd Floor, Office # 206,  
Siddharth Nagar, S.V. Road,  
Goregaon (West), Mumbai - 400062,  
Maharashtra, India.  
Contact: +91 22 28725393 / 94 / 95  
Email ID: info@suvchem.com/care@suvchem.com

**1.4. Emergency telephone number**

Phone no. : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [ Office hours ]

**2. Hazards identification -DSD****2.1. Classification of the substance or mixture****Classification EC 67/548 or EC 1999/45**

Classification : Xi; R36

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**

Health hazards : Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2) H319

**2.2. Label elements****Labelling EC 67/548 or EC 1999/45**

Symbol(s)



**MATERIAL SAFETY DATA SHEET (MSDS)**
**2-CHLORO BENZOIC ACID (O-CHLORO BENZOIC ACID)**
**2. Hazards identification -DSD (continued)**

|                    |   |
|--------------------|---|
| <b>Symbol(s)</b>   | : Xi : Irritant   |
| <b>R Phrase(s)</b> | : R36 : Irritating to eyes.   |
| <b>S Phrase(s)</b> | : S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |

**Labelling Regulation EC 1272/2008 (CLP)**
**Hazard pictograms**


|                                 |   |
|---------------------------------|---|
| <b>Signal words</b>             | : Warning   |
| <b>Hazard statements</b>        | : H319 : Causes serious eye irritation.   |
| <b>Precautionary statements</b> |   |
| • <b>Prevention</b>             | : P280: Wear protective gloves, protective clothing, eye protection, face protection.<br>P264: Wash thoroughly after handling.  |
| • <b>Response</b>               | : P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337+P313: If eye irritation persists: Get medical advice/attention. |

**2.3. Other hazards**

|                      |   |
|----------------------|---|
| <b>Other hazards</b> | : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH. |
|----------------------|---|

**3. Composition/information on ingredients**

|  |                            |
|--|----------------------------|
| <b>Substance / Preparation</b>   | : 2-CHLOROBENZOIC ACID 99% |
|  | Substance.                 |
| Contains no other components or impurities which will influence the classification of the product. |                            |

**4. First aid measures**
**4.1. Description of first aid measures**

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | : Assure fresh air breathing. Allow the victim to rest.   |
| <b>Skin contact</b> | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.   |
| <b>Eye contact</b>  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists : Get medical advice. |
| <b>Ingestion</b>    | : Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.  |

**MATERIAL SAFETY DATA SHEET (MSDS)**
**2-CHLORO BENZOIC ACID (O-CHLORO BENZOIC ACID)**
**4. First aid measures (continued)**
**4.2. Most important symptoms and effects, both acute and delayed**

Symptoms relating to use : Causes serious eye irritation.

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

General information : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**5. Fire-fighting measures**
**5.1. Extinguishing media**

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

Surrounding fires : Use water spray or fog for cooling exposed containers.

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

Hazardous combustion products : Under fire conditions, hazardous fumes will be present.

**5.3. Advice for fire-fighters**

Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

**6. Accidental release measures**
**6.1. Personal precautions, protective equipment and emergency procedures**

For emergency responders : Equip cleanup crew with proper protection. Ventilate area.

For non-emergency personnel : Evacuate unnecessary personnel.

**6.2. Environmental precautions**

Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

**6.3. Methods and material for containment and cleaning up**

**MATERIAL SAFETY DATA SHEET (MSDS)**
**2-CHLORO BENZOIC ACID (O-CHLORO BENZOIC ACID)**
**6. Accidental release measures (continued)**

**Clean up methods** : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

**6.4. Reference to other sections**

See section 8. Exposure controls/personal protection

**7. Handling and storage**
**7.1. Precautions for safe handling**

**Handling** : Wash thoroughly after handling.  
**Technical protective measures** : Provide good ventilation in process area to prevent formation of vapour.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage** : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.  
**Storage - away from** : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

**7.3. Specific end use(s)**

**Specific end use(s)** : None.

**8. Exposure controls/personal protection**
**8.1. Exposure controls**

**Personal protection** : Avoid all unnecessary exposure.  
 • **Respiratory protection** : Wear approved mask.  
 • **Hand protection** : Wear protective gloves.  
 • **Eye protection** : Chemical goggles or safety glasses.  
 • **Others** : When using, do not eat, drink or smoke.

**8.2. Control parameters**

**Occupational Exposure Limits** : No data available.

**9. Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

**MATERIAL SAFETY DATA SHEET (MSDS)**
**2-CHLORO BENZOIC ACID (O-CHLORO BENZOIC ACID)**
**9. Physical and chemical properties (continued)**

|  |                      |
|--|----------------------|
| Physical state at 20 °C                | : Solid.             |
| Colour                                 | : White powder       |
| Odour                                  | : N/A                |
| Odour threshold                        | : No data available. |
| pH value                               | : Not applicable.    |
| Melting point [°C]                     | : 138 - 140 °C       |
| Decomposition point [°C]               | : N/A                |
| Critical temperature [°C]              | : N/A                |
| Auto-ignition temperature [°C]         | : N/A                |
| Flammability (solid, gas)              | : N/A                |
| Flash point [°C]                       | : 173 °C             |
| Boiling point [°C]                     | : N/A                |
| Initial boiling point [°C]             | : N/A                |
| Final boiling point [°C]               | : N/A                |
| Evaporation rate                       | : N/A                |
| Vapour pressure [20°C]                 | : N/A                |
| Vapour pressure mm/Hg                  | : N/A                |
| Vapour density                         | : N/A                |
| Density [g/cm <sup>3</sup> ]           | : 1,544              |
| Relative density, gas (air=1)          | : N/A                |
| Relative density, liquid (water=1)     | : N/A                |
| Solubility in water [% weight]         | : N/A                |
| Solubility in water                    | : N/A                |
| Log Pow octanol / water at 20°C        | : No data available. |
| Solubility                             | : N/A                |
| Viscosity at 40°C [mm <sup>2</sup> /s] | : N/A                |

**9.2. Other information**

|                              |                      |
|------------------------------|----------------------|
| Explosive properties         | : N/A                |
| Explosion limits - upper [%] | : N/A                |
| Explosion limits - lower [%] | : N/A                |
| Oxidising properties         | : No data available. |

**10. Stability and reactivity**
**10.1. Reactivity.**

|            |                    |
|------------|--------------------|
| Reactivity | : Not established. |
|------------|--------------------|

**MATERIAL SAFETY DATA SHEET (MSDS)**  
**2-CHLORO BENZOIC ACID (O-CHLORO BENZOIC ACID)**
**10. Stability and reactivity (continued)**
**10.2. Chemical stability**

**Chemical stability** : Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions** : Not established.

**10.4. Conditions to avoid**

**Conditions to avoid** : Direct sunlight. Extremely high or low temperatures.

**10.5. Incompatible materials**

**Materials to avoid** : Strong acids. Strong bases.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** : Fumes. Carbon monoxide. Carbon dioxide.

**11. Toxicological information**
**11.1. Information on toxicological effects**
**Acute toxicity**

- **Inhalation** : Based on available data, the classification criteria are not met.
- **Dermal** : Based on available data, the classification criteria are not met.
- **Ingestion** : Based on available data, the classification criteria are not met.

**Corrosion** : Based on available data, the classification criteria are not met.

**Irritation** : Causes serious eye irritation.

**Sensitization** : Based on available data, the classification criteria are not met.

**Mutagenicity** : Based on available data, the classification criteria are not met.

**Carcinogenicity** : Based on available data, the classification criteria are not met.

**Toxic for reproduction** : Based on available data, the classification criteria are not met.

**STOT-single exposure** : Based on available data, the classification criteria are not met.

**STOT-repeated exposure** : Based on available data, the classification criteria are not met.

**Aspiration hazard** : Based on available data, the classification criteria are not met.

**12. Ecological information**
**12.1. Toxicity**

**MATERIAL SAFETY DATA SHEET (MSDS)**  
**2-CHLORO BENZOIC ACID (O-CHLORO BENZOIC ACID)**
**12. Ecological information (continued)**

Toxicity information : Not established.

**12.2. Persistence - degradability**

Persistence - degradability : Biodegradable.

**12.3. Bioaccumulative potential**

Bioaccumulative potential : Not established.

**12.4. Mobility in soil**

Mobility in soil : Not established.

**12.5. Results of PBT and vPvB assessment**

Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

**12.6. Other adverse effects**

Environmental precautions : Avoid release to the environment.

**13. Disposal considerations**
**13.1. Waste treatment methods**

General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

**14. Transport information**
**14.1. Land transport (ADR-RID)**

General information : Not regulated.

**14.2. Sea transport (IMDG) [English only]**

General information : Not regulated.

**14.3. Air transport (ICAO-IATA) [English only]**

General information : Not regulated.

**MATERIAL SAFETY DATA SHEET (MSDS)**

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
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- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

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