



MATERIAL SAFETY DATA SHEET

1. COMPANY AND PRODUCT INFORMATION

Product Name: Sundek SunAcid

Supplier
Sundeck Products USA, Inc
805 Ave. H Suite 508
Arlington, Texas 76011
For health and safety questions:
Phone number (888) 390-0305
Fax number (817) 649-7292
E-mail: products@sundek.com

**For Chemical Emergency
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night**

**Within USA and Canada: 1-800-424-9300
Outside USA and Canada: 1-703-527-3887
(collect calls accepted)**

2. GENERAL INFORMATION

Product Class: Hydrochloric Acid

| HMIS SYMBOL | | HMIS | NFPA | | NFPA RATING | |
|--------------|---|----------|------|---------------|-------------|---|
| HEALTH | 2 | SEVERE | 4 | EXTREME | FIRE | 0 |
| FLAMMABILITY | 0 | SERIOUS | 3 | HIGH | REACTIVITY | 2 |
| REACTIVITY | 2 | MODERATE | 2 | MODERATE | TOXICITY | 2 |
| | | SLIGHT | 1 | SLIGHT | SPECIAL | b |
| | | MINIMAL | 0 | INSIGNIFICANT | | |

| | <u>Percent</u> | <u>CAS#</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> |
|-------------------|----------------|-------------|-----------------------|-----------------------|
| Chromic Chloride | 7.5 | 50925-66-1 | N/E | .5 mg/m ³ |
| Hydrochloric Acid | 15.5 | 7647-01-1 | 7.0 mg/m ³ | 7.0 mg/m ³ |
| Ferrous Chloride | 77.0 | 7758-94-3 | 1.0 mg/m ³ | 1.0 mg/m ³ |

May contain one or more of the following metal ions: Cu⁺², Fe⁺³, Fe⁺², Cr⁺³, CrO₄⁺²
CAS# (7758-99-0), (7758-95-3), (7705-08-0), (10588-01-9), (10025-73-7)

4. PHYSICAL DATA

| | | | |
|---------------------------|-----------|-----------------------------|------------------------------------|
| Boiling Point: | ~100° C | Solubility in Water: | Soluble |
| Vapor Pressure: | NE | Evaporation Rate: | ~1 |
| Vapor Density: | NE | Appearance: | Flowable liquids in various colors |
| Specific Gravity: | 1.12-1.30 | Odor: | Mild acidic order |
| Percent Volatiles: | N/A | pH: | 1-2 |

5. FIRE AND EXPLOSION HAZARD DATA

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| Flash Point: | None- Nonflammable |
| Flammable Limits: | LEL: N/A UEL: N/A |
| Extinguishing media: | Same as for surrounding materials. |
| Special Fire Fighting Procedures: | Wear NIOSN/MSHA approved self contained breathing apparatus if product is involved in a fire. Cool fire exposed containers with water spray. |
| Fire and Explosion Hazards: | Product exposed to high temperatures will evolve corrosive acid fumes. |

6. REACTIVITY DATA

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| Stability: | Stable |
| Hazardous Polymerization: | Will not occur |
| Incompatibility: | Avoid contact with strong alkalis, alkali metals. |
| Hazardous Decomposition Products: | May generate acid fumes on exposure to heat. |
| Conditions to Avoid: | Temperatures above 40° C (120° F). |
| Materials to Avoid: | Alkaline products, bleach, Carbonates. |

7. HEALTH HAZARD DATA

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| Primary Route of Entry: | Skin, inhalation. |
| Eye Contact: | Can cause severe irritation and damage. |
| Skin Contact: | Irritation and possible burns. May cause allergic reactions in some people. Repeated exposure should be avoided. |
| Inhalation: | Coughing, sore throat, shortness of breath, irritation of mucous membrane. |
| Ingestion: | Sore throat, abdominal pain, burning. May cause kidney damage. |
| OSHA Exposure Limit: | NE |
| ACGIH Limit: | NE |
| Carcinogen-NTP Program: | Chromates are listed as possible carcinogens. |

8. FIRST AID

| | |
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| Eyes: | Immediately flush with water and continue for 15 minutes, lifting both eyelids. Seek medical attention. |
| Skin: | Immediate, continuous and thorough washing in flowing water for 30 minutes is indicated, remove clothing immediately and wash. Destroy contaminated shoes. Seek medical attention. |
| Ingestion: | Rinse mouth with water. Drink 1-2 glasses of water to dilute. Do not induce vomiting. Seek medical attention. |
| Inhalation: | Remove to fresh air. If breathing difficulty occurs, administer oxygen. |
| Note to Physician: | Massive overexposure to solutions of this product could lead to kidney failure and death. |

9. SPECIAL PROTECTION INFORMATION

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| Respiratory Protection: | Wear OSHA approved mask with acid cartridge if using in enclosed areas with poor ventilation. |
| Ventilation: | General mechanical and local exhaust. |
| Eye Protection: | Chemical splash goggles or other approved safety glasses. |
| Skin Protection: | Wear chemical resistant gloves and other clothing as required to minimize contact. |
| Other Precautions: | Read all label directions and precautions before using the product. |

10. SPILL OR LEAK PROCEDURES

| | |
|--|---|
| Steps to be taken if material is released or spilled: | Major spills – wear protective clothing and acid respirator during cleanup. Contain spill and reclaim as much as possible by mopping or collection on absorbent material. Collect and store in a sealable container. Sprinkle residue with soda ash or sodium bicarbonate to neutralize and flush neutral residue to drain. |
| Waste Disposal Method: | Seal container and dispose of at an approved waste disposal facility. Alternatively, neutralize reclaimed liquid to a pH of 7-9 using soda ash or sodium bicarbonate and release to drain as local regulations permit. |

11. OTHER PRECAUTIONS

Read all label directions and precautions before using the product. Addition to water release heat, which can result in violent foaming and spattering. Always add slowly and in small amounts. Never add water to acids. Always add acids to water. Containers to this material may be hazardous when emptied, since emptied containers retain product residues (vapor, liquid, and/or solid).

12. SHIPPING DATA

Technical Shipping Name: Hydrochloric Acid Solution
Identification Number: ORM-D (Based on inner package <4L)
Packing Group: III
Freight Class: 55

Disclaimer: To the best of our knowledge, the information contained herein is accurate, obtained from sources believed by this company to be accurate.