SlurrySolutions Australia
Preserving our ecosystem, one job at a time

# SAFETY DATA SHEET

## 1. Identification

| | | | |
|---|---|---|---|
| Product Name: | Slurry Safe AR | Product Identifier: | SS20, SS5, SS1, and SST |
| Contact Phone #: | +61425830111 | Revision Date: | 09/01/20 |
| Relevant Uses: | Non-hazardous acid replacement for cleaning and concrete etching | Supersedes Date: | N/A |

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Poisons Information Centre # 13 11 26 for Australia or # 0800 764 766 in New Zealand

## 2. Hazards Identification

Physical State: Liquid Color: Clear Amber
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**2.1 Classification of the Substance or Mixture**
GHS-US Classification
CORROSIVE TO METALS – Category 1
SERIOUS EYE DAMAGE/EYE IRRITATION – Category 1

**2.2 Label Elements**
GHS-US Hazard Pictograms

GHS-US Signal Word: Warning
May be corrosive to mild metals. Causes serious eye damage.

| GHS-US Hazard Statements | |
|---|---|
| H302 | May be harmful if swallowed. |
| H315 | May cause skin irritation. |
| H319 | May cause serious eye irritation. |
| H333 | May be harmful if inhaled. |
| GHS-US Precautionary Statements- Prevention | |
| P102 | Keep out of reach of children. |
| P103 | Read label before use. |
| P233 | Keep container tightly closed. |
| P261 | Avoid breathing dust/fumes/gas/mist/vapors/spray. |
| P262 | Do not get in eyes, on skin, or on clothing. |
| P264 | Wash hands, arms and face thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| GHS-US Precautionary Statements- Response | |
| P301+P312 | IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. |
| P302+P352 | IF ON SKIN: Wash with plenty of water. If irritation persists seek medical attention. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305+P351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. |
| P308+P313 | IF EXPOSED OR CONCERNED: Get medical attention. |

| | |
|---|---|
| P332+313 | IF SKIN IRRITATION OR RASH OCCURS: Get medical advice/attention. |
| P337+P313 | IF EYE IRRITATION OCCURS: Get medical attention. |
| P362 | Take off contaminated clothing and wash before reuse. |
| P401 | Store in a protected environment away from direct sunlight and avoid freezing. |
| P404 | Store in a closed container. |

**2.3 Other Hazards**
None known under normal conditions.

**2.4 GHS-US Unknown acute toxicity**
None known.

## 3. Composition/Information on Ingredients

**3.1 Substance**
Liquid Mixture.

| Chemical Name | Wt. % Range | CAS # |
|---|---|---|
| Organic Acid Salt | 40 - 50% | 506-89-8 |

## 1.04. First Aid Measures

**4.1 Description of First Aid Measures**

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| Eye Contact: | Immediately flush eyes with plenty of water for at least 20 minutes. If irritation develops, consult a physician. |
| Skin Contact: | Flush contaminated skin with plenty of water. Consult a physician if irritation develops. |
| Inhalation: | Move exposed person to fresh air. If irritation persists, get medical attention promptly. |
| Ingestion: | Do not induce vomiting. If victim is conscious give plenty of water or milk to drink. Call a physician or poison control center immediately. |

## 5. Fire Fighting Measures

**5.1 Extinguishing Media**

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|---|---|
| Suitable extinguishing media:<br>Unsuitable extinguishing media: | Foam, dry powder, carbon dioxide, water spray, sand.<br>Do not use a heavy water stream. |
| Flash Point: | >212°F Closed Cup EPA Method 1010 |

**5.2 Special Hazards Arising from the Substance or Mixture**

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|---|---|
| Fire hazard: | At temperatures above 60°C/140°F acid action on most metals may release hydrogen, a highly flammable and explosive gas. |
| Explosion hazard: | Product is not explosive. |
| Reactivity: | No dangerous reactions known under normal use. |

**5.3 Advice for Firefighters**

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|---|---|
| Firefighting instructions: | Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of firefighting water in the environment. |
| Protection during firefighting: | Do not enter fire area without proper protective equipment, including respiratory protection. |

## 6. Accidental Release Measures

**6.1 Personal Precautions, Protective Equipment, and Emergency Procedures**

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|---|---|
| General measures: | No specific emergency measures are required other than good laboratory hygiene and safety practices. |

**6.1.1 For Non-Emergency Personnel**

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|---|---|
| Protective equipment: | Wear protective equipment as described in Section 8. |
| Emergency procedures: | Evacuate unnecessary personnel. |

**6.1.2 For Emergency Responders**

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|---|---|
| Protective equipment: | Wear suitable protective clothing, gloves, and eye or face protection, approved supplied air respirator, in case of emergency. |

**6.2 Environmental Precautions**

| | |
|---|---|
| Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment. | |
| **6.3 Methods and Material for Containment and Cleaning Up** | |
| For containment: | Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. |
| Methods for cleaning up: | Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations. |
| **6.4 Reference to Other Sections** | |
| No additional information available. | |

## 7. Handling and Storage

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|---|---|
| **7.1 Precautions for Safe Handling** | |
| Precautions: | Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |
| **7.2 Conditions for Safe Storage, Including any Incompatibilities** | |
| Technical measures: | Stable (Shelf Life 2 years) |
| Storage conditions: | Store in dry, well-ventilated area. Keep container closed when not in use. |
| **7.3 Specific End Use(s)** | |
| No additional information available | |

## 8. Exposure Controls and Personal Protection

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|---|---|
| **8.1 Control Parameters** | |
| Contains no substances with occupational exposure limit values. | |
| Remark (ACGIH) | OEL's not established |
| Remark (OSHA) | OEL's not established |
| **8.2 Exposure Controls** | |
| Appropriate engineering controls: | Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas. |
| Personal protective equipment: |  Protective Goggles.  Gloves. |
| Hand protection: | Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296 Suggested glove materials are: Neoprene, Nitrile/Butadiene rubber, polyethylene, ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier. Change contaminated gloves immediately. |
| Eye protection: | Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid. |
| Skin and body protection: | Wear long sleeves, and chemical impervious PPE/coveralls to minimize bodily exposure. |
| Respiratory protection: | Use NIOSH approved dust/particulate respirator. Where vapor or mist exceed PEL's or other applicable OEL's, use NIOSH approved respiratory protective equipment. |

## 9. Physical and Chemical Characteristics

**9.1 Information on Basic Physical and Chemical Properties**

| | | | |
|---|---|---|---|
| Physical state: | Liquid | Appearance: | Viscous Liquid |
| Color: | Yellow | Odor: | Mild |
| pH as is: | < 1 | Freezing Point: | No data available |
| Boiling Point: | 100°C (212°F) | Flash Point: | No data available |
| Vapor Pressure: | <0.013kPa (<0.1mmHg) [room temperature] | Flammability: | No data available |

| | | | |
|---|---|---|---|
| Relative Density: | 1.1 (+/-2) | Viscosity-Low Shear: | No data available |
| Solubility: | Soluble | VOC Content: | 0 g/L |

## 10. Stability and Reactivity

**10.1 Reactivity**

No dangerous reactions known under normal conditions of use.

**10.2 Chemical Stability**

Stable under recommended handling and storage conditions (see section 7).

**10.3 Possibility of Hazardous Reactions**

None known.

**10.4 Conditions to Avoid**

Ignition sources.

**10.5 Incompatible Materials**

Acids. Strong oxidizers.

**10.6 Hazardous Decomposition Products**

Carbon oxides (CO, CO2).

## 11. Toxicological Information

Eco Safety Products does not test on animals. The following information is from the raw materials only:

Information on the likely routes of exposure: dermal, eyes, inhalation and ingestion

| | | | |
|---|---|---|---|
| Ingestion: | May cause distress. | Skin corrosion/irritation: | May cause mild skin irritation. |
| Serious eye damage/irritation: | May cause injury. | Respiratory | May be harmful if inhaled. |
| Germ cell mutagenicity: | Not classified. | Carcinogenicity: | Not classified. |
| Reproductive toxicity: | Not classified. | Specific target organ toxicity: | Not classified. |

## 12. Ecological Information

**12.1 Toxicity**

Ecology- general: Aquatic toxicity rating not determined. All possible measures should be taken to prevent release into the environment.

**12.2 Persistence/degradability:** Readily biodegradable.

## 13. Disposal Information

RCRA Classification: If discarded in its purchased form, this product would not be a hazardous waste either by listing or characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as hazardous waste (40 CFR 261.20-24)

| | |
|---|---|
| Waste treatment methods: | Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit. |
| Waste disposal recommendations: | Dispose in a safe manner in accordance with local/national regulations. |

## 14. Transportation Information

| | Domestic (USDOT) | International (IMDG) | Air (IATA) | TDG (Canada) |
|---|---|---|---|---|
| **UN Number:** | Not Regulated | 1760 | 1760 | 1760 |
| **Proper Shipping Name:** | N/A | Corrosive liquid N.O.S. (urea monohydrochloride) | Corrosive liquid N.O.S. (urea monohydrochloride) | Corrosive liquid N.O.S. (urea monohydrochloride) |
| **Transport Hazard Class(es):** | N/A | 8 | 8 | 8 |
| **Packing Group:** | N/A | III | III | III |

| | | | | |
|---|---|---|---|---|
| **Environmental Hazards:** | No | No | No | No |
| **Other Information:** | Exempt under DOT 49 CFR 173.154 (d). This material is corrosive to aluminum only. Not corrosive to mild steel and skin. | This material is corrosive to aluminum only. Not corrosive to mild steel and skin. | This material is corrosive to aluminum only. Not corrosive to mild steel and skin. | This material is corrosive to aluminum only. Not corrosive to mild steel and skin. |

**Transport in bulk according:** Not available
**To Annex II of MARPOL 73/78 and the IBC Code**

## 15. Regulatory Information

### 15.1 US Federal Regulations

All chemical substances in this product are listed in the EPA (Environmental Protection Agency) TSCA (Toxic Substance Control Act) Inventory.

| | | |
|---|---|---|
| SARA 302 Components: None | SARA 313 Components: None | SARA 311/312 Hazards: Chronic Health Hazard Immediate Acute Health Hazard |

### 15.2 International Regulations

**Chemical Inventories –** In compliance denotes all components are on inventory or exempt.

| | | | |
|---|---|---|---|
| **U.S. (TSCA):** | In Compliance | **Canada (CEPA):** | In Compliance |
| **Europe (EINECS):** | In Compliance | **Japan (ENCS):** | In Compliance |
| **Australia (NOHSC):** | In Compliance | **Korea:** | In Compliance |
| **China:** | In Compliance | **Philippines:** | In Compliance |

### 15.3 Other Regulatory Information:

California Proposition 65
To the best of our knowledge this product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

**SARA 302/304: Composition/Information on Ingredients:** Not listed
**SARA 311/312: Classification:** Immediate (acute) health hazard
**Composition/Information on Ingredients:**

| Name | Percent | Fire Hazard | Sudden Release of Pressure | Reactive | Immediate (acute) Health Hazard | Delayed Chronic Health Hazard |
|---|---|---|---|---|---|---|
| Organic Salt | 40-50% | No | No | No | Yes | No |

## 16. Other Information

| | |
|---|---|
| Indication of changes: | New |
| Revision date: | 09/01/20 |
| Author: | Regulatory Department |

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