

Safety Data Sheet

Solution 2

SECTION I - IDENTIFICATION



Win Solutions, Inc.
109 Pine Street
Lexa, AR 72355
(800) 489-0470
ChemTel, Inc. :..... (800) 255-3924

Product Number Sol 2
Product Name Solution 2
Chemical Family Inhibited Acid Descaler
CAS Number 7647-01-0
Date Prepared 7/22/2015
Revision Number
Recommended Use Industrial Use Only

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification

| | |
|----------------------------|------------|
| Corrosive to Metals | Category 1 |
| Skin Corrosion/Irritation | Category 3 |
| Sensitization, Skin | Category 1 |
| Sensitization, Respiratory | Category 1 |

DANGER!

GHS LABEL:



Hazard Statements

| | |
|------|---|
| H290 | May be corrosive to metals |
| H316 | Causes mild skin irritation |
| H317 | May cause an allergic skin reaction |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled |

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Precautionary Statements

| | |
|----------|--|
| P234 | Keep only in original packaging |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P284 | Wear respiratory protection. |
| P302+352 | IF ON SKIN: Wash with plenty of water/... |
| P304+340 | IF INHALED: Remove victim to fresh air and keep comfortable for breathing. |
| P321 | Specific treatment (see ... on this label). |
| P332+313 | If skin irritation occurs: get medical advice/attention. |
| P333+313 | If skin irritation or a rash occurs: Get medical advice/attention. |
| P342+311 | If experiencing respiratory symptoms Call a POISON CENTER or doctor/physician. |
| P362+364 | Take off immediately all contaminated clothing and wash it before reuse. |
| p390 | Absorb spillage to prevent material damage. |
| P406 | Store in a corrosive resistant/... container with a resistant inner liner. |
| P501 | Dispose of contents/container to... |

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

| Component Name | CAS # | Component% | OSHA PEL | ACGIH TLV |
|-------------------|-----------|------------|----------|-----------|
| Hydrogen Chloride | 7647-01-0 | < 20% | 5 ppm | 2 ppm |

SECTION IV - FIRST AID MEASURES

Contact with eyes: Flush with water for 15 minutes. Seek immediate medical attention.

Skin contact: Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritations persist, seek immediate medical attention.

Inhalation: Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.

Ingestion: If swallowed. Do not induce vomiting. Seek immediate medical attention.

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SECTION V - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water fog, foam, CO2, dry chemical.

Special Fire Fighting Procedures Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.

Unusual Fire Fighting Hazards:

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate all unprotected personnel from the area.

Environmental Precautions: Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers or waterways. Notify proper authorities.

Methods for Cleaning Up: Cover with sodium bicarbonate or a soda ash/slaked lime mixture (50/50). Mix and add water if necessary to form a slurry and complete neutralization. Scoop up slurry and wash site with soda ash solution. Take up with absorbent material and place in containers for later disposal.

SECTION VII - HANDLING AND STORAGE

Handling and Storage:

- Avoid prolonged breathing of mist or vapor. Wash thoroughly after handling.
- Aluminum equipment should not be used in the storage and/or transfer. Contact with aluminum parts in a pressurizable fluid system may cause violent reactions.
- Avoid contact with eyes.
- Avoid prolonged skin contact with product concentrate and solutions.

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:

| Component Name | CAS # | OSHA PEL | ACGIH TLV |
|-------------------|-----------|----------|-----------|
| Hydrogen Chloride | 7647-01-0 | 5 ppm | 2 ppm |

Engineering Controls: Adequate local or mechanical to reduce vapor or mist to below the PEL or TLV.

Monitoring: Do not eat, drink or smoke in areas where this chemical is used or stored. Have eye wash stations and safety showers readily available.

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Any clothing or shoes which became contaminated with the product should be removed immediately and thoroughly laundered before wearing again. Follow accepted work practices for handling a corrosive material.

Personal Protective Equipment (PPE)

Eye Protection: Goggles or approved OSHA device with side shields; do not wear contact lenses when handling this product.

Skin Protection: Impervious apron and work boots recommend where splashing may occur.

Respiratory Protection: Use the proper respirator in areas where the chemical exposure is unknown or above the OSHA PEL or ACGIH TLV.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------|--------------------|
| Appearance | Clear Green Liquid |
| Odor | Light Acidic Odor |
| pH@25°C | < 1.5 Undiluted |
| Melting/Freezing Point | 32°F |
| Flashpoint | NA |
| Specific Gravity | 1.19 |
| Solubility | Complete |
| Auto-Ignition Temperature | None |
| Decomposition Temperature | NA |
| VOC Content | NA |
| Odor Threshold | NA |
| Boiling Range | >275°F/ >135°C |
| Evaporation Point | Not Determined |
| Flammable Limits - Upper | None |
| Flammable Limits - Lower | None |
| Vapor Pressure | NA |
| Vapor Density (Air=1) | NA |
| Viscosity | NA |

SECTION X - STABILITY AND REACTIVITY

Stability: Stable, under normal conditions of storage and handling.

Conditions to Avoid: Strong oxidizing agents
Keep from freezing.

Hazardous Decomposition/Byproducts: Oxides of carbon and nitrogen under incomplete combustion conditions.

Hazardous Polymerization: Will not occur.

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Polymerization Conditions to Avoid: None

Incompatibilities: Sodium hypochlorite or calcium hypochlorite.
Strong Oxidizers and bases

SECTION XI - TOXICOLOGICAL INFORMATION

Likely Route of Exposure: Contact and inhalation; ingestion possible.

Inhalation: Breathing spray or mists can be harmful.

Eye Contact: Causes eye irritation including stinging, watering and redness which may result in corneal injury.

High vapor concentrations are irritating to the eyes.

This material can cause significant eye irritation.

Skin Contact: Contact may cause mild skin irritation including redness, burning and drying/cracking of the skin.

Can be painful if skin is confined in gloves, clothing, etc.

Causes burns, possible deep ulceration.

Ingestion: Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia and edema.

May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Can cause severe burns and complete tissue damage.

Toxicity:

| Component Name | LD50 | LC50 |
|-------------------|-----------------|-----------------|
| Hydrogen Chloride | Not Established | Not Established |

| Reproductive Effects | Teratogenicity | Mutagenicity | Embryotoxicity | Sensitization to Product | Synergistic Products |
|----------------------|----------------|----------------|----------------|--------------------------|----------------------|
| Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: Information not available.

Mobility: Information not available.

Degradability: Information not available.

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BioAccumulation: Information not available.

SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Observe and follow all federal, state and local regulations.

SECTION XIV - TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

Proper Shipping Name: Compounds, Cleaning, Liquid

Contains: Hydrogen Chloride

Hazard Class and Label: 8, Corrosive

Identification Number: UN1760

Packaging Group: III

Other Shipping Info:

SECTION XV - REGULATORY INFORMATION

TSCA STATUS:..... The components of this product are listed on the TSCA Inventory

SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

| Acute | Chronic | Fire | Pressure | Reactive |
|-------|---------|------|----------|----------|
| X | N/A | N/A | N/A | X |

SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

No chemicals in this material are subject to the reporting requirements.

CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

| Component Name | CAS # | % by wt. | RQ (lbs.) |
|-------------------|-----------|----------|-----------|
| Hydrogen Chloride | 7647-01-0 | < 20% | 5,000 |

CALIFORNIA PROPOSITION 65:

No chemicals in this material are subject to the reporting requirements.

SECTION XVI - OTHER INFORMATION

HMIS Health: 2

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HMIS Flammability: 0

HMIS Reactivity: 1

Additional: The information contained in this SDS has been prepared based upon data believed to be reliable, an evaluation of the ingredients in the product, their concentration in the product and potential interactions. The information is offered in good faith and is believed to be reliable and reflects our best professional judgement. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. It is furnished to our customer who is urged to study it carefully to become aware of hazards, if any, in the storage, handling, use and disposal of the product; and to insure his/her employee's are properly informed and advised of all safety precautions required. Use or dissemination of all or part of this information for any other purpose is prohibited by law.

