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

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 immediatley 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 immediatelyand 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 attetntion.

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 minture (50/50). Mix and add water if necessary to form a slurry and complete neatralization. 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 sorage 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 uised or stored. Have eye wash stations and safety showers readily available.

Any clothing or shoes which became contaminated with the product should be removed immeadiately 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 unknownor 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
Soluability	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.

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 sking irritation including redness, burning and drying/cracking of the skin.
Can be painful is 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 irritaion with nausea, vomiting and diarrhea.
Can cause sever 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.

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

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 resonable 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 purposed or for the consequence of it's 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.