




## Safety Data Sheet Sections

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SECTION 1: IDENTIFICATION	
Product Trade Name:	Maxim Scale Away
Product Code:	1401210
Recommended Use:	Inhibited acid scale and rust remover
Restrictions on Use:	For Food Plant, Industrial and Institutional use only
Manufacturer Name:	Project Clean Inc.
Manufacturer Address:	1607 Derwent Way, Delta, B.C. Canada V3M 6K8
Manufacturer Phone Number:	<a href="tel:800-663-9925">800-663-9925</a>
Email Address of Competent Person Responsible for the SDS:	<a href="mailto:regulatory@projectclean.com">regulatory@projectclean.com</a>
Emergency Phone Number/ 24-Hour Number:	Canada: Canutec <a href="tel:613-996-6666">613-996-6666</a> U.S.A.: Chemtrec <a href="tel:800-424-9300">800-424-9300</a>

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SECTION 2: HAZARD IDENTIFICATION	
Physical Hazards:	CORROSIVE TO METALS
Health Hazards:	SKIN CORROSION/IRRITATION – Category 1
	EYE DAMAGE/IRRITATION – Category 1
Label Elements:	
Signal word:	Danger
Hazard Statement:	H290 May be corrosive to metals.
	H314 Causes severe skin burns and eye damage.
	H318 Causes serious eye damage.
PRECAUTIONARY STATEMENTS	
Prevention:	P234 Keep only in original packaging.
	P260 Do not breathe dusts or mists.
	P264 Wash hands or affected area thoroughly after handling.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Responses:	P390 Absorb spillage to prevent material-damage.
	P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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SECTION 2: HAZARD IDENTIFICATION	
	P302 + P361 + P354 + P363 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes. Wash contaminated clothing before reuse.
	P304 + P340 + P316 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately.
	P321 Specific treatment (see supplemental first aid information) on this label.
	P305 + P354 + P338 + P317 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help.
<b>Storage:</b>	P406 Store in a corrosion resistant container with a resistant inner liner.
	P405 Store locked up.
<b>Disposal:</b>	P501 Dispose of contents/ container to an approved waste disposal plant.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient	Approx. Wt.%	CAS Number
Hydrochloric Acid	7-13	7647-01-0

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SECTION 4: FIRST-AID MEASURES	
<b>General Information:</b>	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.
<b>Inhalation:</b>	Immediately remove the affected victim to fresh air. If symptoms persist, obtain medical attention.
<b>Skin Contact:</b>	Flood area with cool water for at least 20 minutes or until help arrives. Make sure water doesn't flow onto another part of the person's body or onto you. Don't use a strong stream of water, if possible. As you flush the burn (not before), remove jewelry or articles of clothing with chemical on them, unless they're stuck to the person's body. Don't try to neutralize the burn with acid or alkali. This could cause a chemical reaction that worsens the burn. Don't put antibiotic ointment on the burn.
<b>Eye Contact:</b>	Have the person immediately rinse the eye or eyes under a faucet, in a gentle shower, or with a clean container of water. Keep the person's face so that the injured eye is down and to the side. Avoid spraying a high-pressure water stream into the eye or eyes. Flush with lukewarm water for 15 to 30 minutes. For severe burns, continue flushing until you see a doctor or you arrive in an emergency room. The person should keep the eye open as wide as possible. Wash the person's hands thoroughly to make sure no chemical is still on them. Flush the eye

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SECTION 4: FIRST-AID MEASURES	
	to remove contact lenses. If they do not come out, try to gently remove them AFTER flushing. Do not rub the eye or place a bandage over the eye. While waiting for medical care, have the person wear sunglasses to decrease light sensitivity.
<b>Ingestion:</b>	Do not induce vomiting. If the victim is fully conscious, give plenty of clean water to drink to dilute product. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing. Call a Physician.
<b>Self-Protection of the First Aider:</b>	Remove all sources of ignition. Ensure that first aid personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.
<b>Most Important Symptoms/ Effects, Acute and Delayed:</b>	<b>Ingestion:</b> Cause serious chemical injuries to upper gastrointestinal tract. <b>Inhalation:</b> May injure the pulmonary epithelium at various levels of the respiratory tract. <b>Eyes and skin:</b> Corrosive to eyes and skin. Burn and destroy body tissues on contact.
<b>If irritation occurs or persists, get medical attention.</b>	

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SECTION 5: FIRE-FIGHTING MEASURES	
<b>Suitable Extinguishing Media:</b>	Water fog, alcohol foam, or dry chemical.
<b>Unsuitable Extinguishing Media:</b>	None known.
<b>Flammability:</b>	Not flammable.
<b>Flash Point:</b>	Not flammable.
<b>Special Firefighting Procedures:</b>	Wear NIOSH/MSHA approved, self-contained breathing apparatus for firefighting situation. Use water spray to cool all nearby fire exposed surfaces.
<b>Unusual Fire / Explosion Hazards:</b>	Contact with reactive metals may produce flammable hydrogen gas.
<b>Hazardous Decomposition Products:</b>	When heated to decomposition, emits toxic hydrogen chloride fumes and will react with water or steam to produce heat and toxic and corrosive fumes. Thermal oxidative decomposition produces toxic chlorine fumes and explosive hydrogen gas.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

<b>Environmental Protection Precautions:</b>	Do not release to the environment or water source.
<b>Steps to be Taken in Case Material is Released or Spilled:</b>	Wear protective equipment. Soak up spills with absorbents, then dispose of in an appropriate waste container. Keep material away from sewers. Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.

[Back to Top](#)**SECTION 7: HANDLING AND STORAGE**

<b>Precautions to be Taken in Handling and Storage:</b>	Use good industrial hygiene. Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing sprays or mists. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with any other chemicals. Store at temperatures below 30oC and keep from freezing.
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OSHA (PEL): N/A	ACGIH TLV: N/A	Other exposure limit: N/A
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**INDIVIDUAL PROTECTION MEASURES / PERSONAL PROTECTIVE EQUIPMENT**

<b>Appropriate Engineering Controls:</b>	Good general ventilation.
<b>Skin Protection:</b>	Non-permeable gloves (rubber, nitrile) recommended. Rubber/PVC aprons when skin contact may occur. Rubber boots.
<b>Eye and Face Protection:</b>	Use chemical goggles or safety glasses.
<b>Respiratory Protection:</b>	Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
<b>Other Protective Equipment:</b>	Eye wash, safety shower and full protective clothing recommended in the immediate work area.

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<b>Appearance:</b>	Clear, light amber liquid
<b>Odour:</b>	Pungent acid odour
<b>Odour threshold:</b>	N/A
<b>pH:</b>	<1.0

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
Melting point/Freezing point:	N/A
Initial boiling point and boiling range:	N/A
Flash Point:	>100 °C
Evaporation Rate (Water=1):	N/A
Flammability:	Not flammable
Upper/Lower flammability or explosive limits:	None
Vapour pressure:	N/A
Vapour density:	N/A
Relative density/Specific gravity (Water = 1):	1.05 @ 20°C
Solubility(ies):	Soluble in water
Partition coefficient: n-octanol/water:	N/A
Auto-ignition temperature:	Not flammable
Decomposition temperature:	N/A
Viscosity:	Thin like water
VOCs%:	N/A

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SECTION 10: STABILITY AND REACTIVITY	
Reactivity:	N/A
Chemical stability:	Stable under normal storage conditions
Possibility of hazardous reactions:	Avoid contact with acid/oxidizers.
Conditions to avoid:	Temperatures above 30°C and below 5°C. Avoid contact with reactive metals.
Incompatibility:	Very corrosive to metals, producing flammable hydrogen gas. Reacts violently with bases to produce heat. Reacts with reducing agents to produce heat and flammable hydrogen gas. Reacts with oxidizing agents to produce heat and toxic or corrosive chloride gases. Contact with explosives may cause detonation. Reacts with cyanides to produce toxic cyanide gas, and sulphides to produce toxic hydrogen sulphide gas.
Hazardous Decomposition Products:	Hydrogen chloride fume, toxic chlorine fumes and explosive hydrogen gas.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Likely routes of exposure:</b>	Ingestion, skin and eye contact
<b>Symptoms:</b>	Corrosive to eyes and skin.
<b>Acute Toxicity Estimates:</b>	LD <sub>50</sub> Oral ATE > 2000 mg/kg
	LD <sub>50</sub> Dermal ATE > 2000 mg/kg
	LD <sub>50</sub> Inhalation ATE: N/A
<b>Skin Sensitization:</b>	Data available on components indicates no potential skin sensitization.
<b>Germinal Cell Mutagenicity:</b>	Data available on components indicates no potential germinal cell mutagenicity.
<b>Reproductive Toxicity:</b>	Data available on components indicates no potential reproductive toxicity.
<b>Carcinogenicity:</b>	Not listed by NTP, IARC, OSHA, ACGIH.
<b>Aspiration Hazard:</b>	Data available on components indicates no potential aspiration hazard.

**SECTION 12: ECOLOGICAL INFORMATION**

<b>Toxicity to Fresh Water Algae:</b>	N/A
<b>Toxicity to Fish Species:</b>	N/A
<b>Toxicity to Aquatic Invertebrates:</b>	N/A
<b>Persistence and degradability:</b>	N/A

**SECTION 13: DISPOSAL CONSIDERATIONS**

<b>Recommended Waste Disposal Methods:</b>	Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.
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**SECTION 14: TRANSPORT INFORMATION**

<b>Canadian TDG UN Number:</b>	1789
<b>UN Proper Shipping Name:</b>	Hydrochloric Acid
<b>Transport Hazard Class(es):</b>	8
<b>Packing Group:</b>	II
<b>Environmental Hazards:</b>	Missing
<b>Special Precautions for User:</b>	Missing

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## SECTION 14: TRANSPORT INFORMATION

Additional Information:

Limited Quantity Index: 1 Litre

## SECTION 15: REGULATORY INFORMATION

## HAZARD RATING INFORMATION

4 = Extreme  
 3 = High  
 2 = Moderate  
 1 = Slight  
 0 = Insignificant

## HMIS

3	Health
0	Flammability
0	Reactivity
C	Personal protection

C = Safety Glasses + Gloves + Apron

HMIS Protection  
 Group B



All pertinent hazard information has been provided in this SDS, per the requirements of the U.S. Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalent Standards, and the Canadian Workplace Hazardous Materials Identification System Standards (CPR 4).

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## SECTION 16: OTHER INFORMATION

## ACRONYM LIST

ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service
CFR	Code of Federal Regulations
DSL/NDSL	Domestic Substances List/ Non-domestic Substance List
EC <sub>50</sub>	Half maximal effective concentration
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer

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SECTION 16: OTHER INFORMATION	
<b>LC<sub>50</sub></b>	Lethal concentration, 50%
<b>LD<sub>50</sub></b>	Lethal dose, 50%
<b>MSHA</b>	Mine Safety and Health Administration
<b>N/A</b>	Not Available
<b>NIOSH</b>	The National Institute for Occupational Safety and Health
<b>N.O.S.</b>	Not Otherwise Specified
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PEL</b>	Permissible Exposure Limit
<b>PNOC</b>	Particulates not otherwise classified
<b>PMMCC</b>	Pensky-Martens Closed Cup
<b>P<sub>ow</sub></b>	Partition Coefficient Octanol: Water
<b>SDS</b>	Safety Data Sheets
<b>STOT – SE</b>	Specific Target Organ Toxicity – Single Exposure
<b>STOT – RE</b>	Specific Target Organ Toxicity – Repeated Exposure
<b>TDG</b>	Transportation of Dangerous Goods
<b>TLV</b>	Threshold Limit Value
<b>UN</b>	United Nations
<b>VOCs</b>	Volatile Organic Compounds
<b>WEL</b>	Workplace Exposure Limit
<b>WHMIS</b>	Workplace Hazardous Materials Information System

It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. Project Clean Inc. (formerly Maxim Chemical International Inc.) will accept no liability for damages or loss incurred from the improper handling and use of this product.

The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.

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