

# Project Clean™


a naturally better tomorrow

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SECTION 1: IDENTIFICATION	
Product Trade Name:	Scale Clean
Product Code:	
Recommended Use:	Ecologo™ certified safe acid descaler
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:	For Transportation Emergencies: Canutec <a href="tel:613-996-6666">613-996-6666</a> Emergency Response Services: Chemtrec <a href="tel:800-424-9300">800-424-9300</a>

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SECTION 2: HAZARD IDENTIFICATION	
Physical Hazards:	CORROSIVE TO METALS – Category 1
Health Hazards:	EYE DAMAGE/ IRRITATION – Category 1
Symbol:	
Signal word:	DANGER
Hazard Statement:	H290 May be corrosive to metals. H318 Causes serious eye damage.
PRECAUTIONARY STATEMENTS	
General:	P101 +P102 Keep out of reach of children. If medical advice is needed, have container or label at hand.
Prevention:	P234 Keep only in original packaging. P280 Wear eye protection/ face protection.
Responses:	P390 Absorb spillage to prevent material-damage. P305 + P354 + P338 + P337+ P317 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical help.
Storage:	P406 Store in a corrosion resistant container with a resistant inner liner.

## SECTION 2: HAZARD IDENTIFICATION

<b>Disposal:</b>	Not regulated. Dispose of contents/ container to an approved waste disposal plant.
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\* This material is corrosive to aluminum only. Non-corrosive to skin and mild steel.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Approx. Wt.%	CAS Number
Urea Methanesulfonate	10-30	207308-34-7
Urea Monohydrochloride	3-7	506-89-8

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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>	Immediately flush exposed area with plenty of water for at least 10 minutes. If irritation persists, or if contact has been prolonged, obtain medical attention. Remove contaminated clothing and launder before reuse.
<b>Eye Contact:</b>	Immediately flush with warm running water for at least 15 minutes, holding eyelids open during flushing. Remove contact lenses, if present and easy to do. If irritation persists, repeat flushing, and obtain medical attention immediately.
<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> No foreseeable hazard. <b>Inhalation:</b> No foreseeable hazard. <b>Eyes and skin:</b> Corrosive to eyes.

**If irritation occurs or persists, get medical attention.**

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SECTION 5: FIRE-FIGHTING MEASURES	
<b>Extinguishing Media:</b>	Water fog, alcohol foam, or dry chemical.
<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>	At temperatures above 60°C/ 140°F, acid action on most metals may release hydrogen, a highly flammable and explosive gas.
<b>Hazardous Decomposition Products:</b>	Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides, Hydrochloric Acid.

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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.

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SECTION 7: HANDLING AND STORAGE	
<b>Precautions to be Taken in Handling and Storage:</b>	Use good industrial hygiene. Do not get in eyes, on skin or on clothing. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with any other chemicals. Keep out of reach of children. Store at temperatures below 30°C (86°F) and keep from freezing.

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION		
<b>EXPOSURE LIMITS:</b>		
OSHA (PEL): N/A	ACGIH TLV: N/A	Other exposure limit: N/A
<b>INDIVIDUAL PROTECTION MEASURES / PERSONAL PROTECTIVE EQUIPMENT</b>		
<b>Appropriate Engineering Controls:</b>	Good general or mechanical ventilation (dilution or local exhaust).	
<b>Skin Protection:</b>	Hand Protection: Butyl rubber, neoprene, latex, or nitrile gloves. Other Skin Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks	

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION	
	involved. Appropriate footwear should be selected based on the task being performed and the risks involved.
<b>Eye and Face Protection:</b>	Use chemical goggles or safety glasses.
<b>Respiratory Protection:</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Other Protective Equipment:</b>	Eye wash, safety shower and full protective clothing recommended in the immediate work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
<b>Appearance:</b>	Clear, colorless liquid
<b>Odor:</b>	Characteristic odor
<b>Odor threshold:</b>	N/A
<b>pH:</b>	< 1
<b>Melting point/Freezing point:</b>	N/A
<b>Initial boiling point and boiling range:</b>	N/A
<b>Flash Point:</b>	> 100°C
<b>Evaporation Rate (Water=1):</b>	N/A
<b>Flammability:</b>	Not flammable.
<b>Upper/Lower flammability or explosive limits:</b>	None
<b>Vapor pressure:</b>	N/A
<b>Vapor density:</b>	N/A
<b>Relative density/Specific gravity (Water = 1):</b>	1.08 @ 20°C
<b>Solubility(ies):</b>	Soluble in water.
<b>Partition coefficient: n-octanol/water:</b>	N/A
<b>Auto-ignition temperature:</b>	Not flammable.
<b>Decomposition temperature:</b>	N/A
<b>Viscosity:</b>	Thin like water.
<b>VOCs:</b>	N/A

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SECTION 10: STABILITY AND REACTIVITY	
<b>Reactivity:</b>	N/A
<b>Chemical stability:</b>	Stable under normal storage conditions.

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SECTION 10: STABILITY AND REACTIVITY	
<b>Possibility of hazardous reactions:</b>	None known.
<b>Conditions to avoid:</b>	Temperatures above 30°C (86°F) and below 5°C (41°F).
<b>Incompatibility:</b>	Do not use with Chlorates, Nitrates, Hypochlorite or alkaline materials.
<b>Hazardous Decomposition Products:</b>	Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides, Hydrochloric Acid.

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SECTION 11: TOXICOLOGICAL INFORMATION	
<b>Likely routes of exposure:</b>	Ingestion, skin, and eye contact.
<b>Symptoms:</b>	Cause serious eye damage. Prolonged contact may cause mild skin irritation.
<b>Acute Toxicity Estimates:</b>	LD <sub>50</sub> Oral = 4138 mg/kg
	LD <sub>50</sub> Dermal > 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.

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SECTION 12: ECOLOGICAL INFORMATION	
<b>Toxicity to Fresh Water Algae:</b>	Non-toxic on an acute basis.
<b>Toxicity to Fish Species:</b>	Non-toxic on an acute basis.
<b>Toxicity to Aquatic Invertebrates:</b>	Non-toxic on an acute basis.
<b>Persistence and degradability:</b>	This product does not exhibit the properties of ignitability, corrosivity, reactivity or environmentally persistent toxicity. This product does not adversely inhibit a diverse aquatic range of organisms (animal, plant, bacteria) as required by the Ecologo™ program under UL2759.

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## SECTION 13: DISPOSAL CONSIDERATIONS

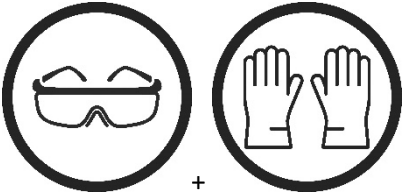
<b>Recommended Waste Disposal Methods:</b>	Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.
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## SECTION 14: TRANSPORT INFORMATION

<b>Canadian TDG UN Number:</b>	Not regulated.
<b>UN Proper Shipping Name:</b>	Not regulated.
<b>Transport Hazard Class(es):</b>	Not regulated.
<b>Packing Group:</b>	Not regulated.

## SECTION 15: REGULATORY INFORMATION

<b>HAZARD RATING INFORMATION</b>  <b>4 = Extreme</b> <b>3 = High</b> <b>2 = Moderate</b> <b>1 = Slight</b> <b>0 = Insignificant</b>	<p style="text-align: center;"><b>HMIS</b></p> <table border="1"> <tr> <td style="background-color: #0070C0; color: white;"><b>3</b></td> <td>Health</td> </tr> <tr> <td style="background-color: #FF0000; color: white;"><b>0</b></td> <td>Flammability</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;"><b>0</b></td> <td>Reactivity</td> </tr> <tr> <td><b>B</b></td> <td>Personal protection</td> </tr> </table> <p style="text-align: center;">B = Safety glasses + gloves</p>	<b>3</b>	Health	<b>0</b>	Flammability	<b>0</b>	Reactivity	<b>B</b>	Personal protection
	<b>3</b>	Health							
<b>0</b>	Flammability								
<b>0</b>	Reactivity								
<b>B</b>	Personal protection								
<b>HMIS Protection</b> <b>Group B</b>									
<p>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).</p>									

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## SECTION 16: OTHER INFORMATION

## ACRONYM LIST

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SECTION 16: OTHER INFORMATION	
<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>ATE</b>	Acute Toxicity Estimate
<b>CAS</b>	Chemical Abstracts Service
<b>CFR</b>	Code of Federal Regulations
<b>DSL/NDL</b>	Domestic Substances List/ Non-domestic Substance List
<b>EC<sub>50</sub></b>	Half maximal effective concentration
<b>HMIS</b>	Hazardous Materials Identification System
<b>IARC</b>	International Agency for Research on Cancer
<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>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

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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.

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