



Safety Data Sheet Sections

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Project Clean Inc.
(formerly Maxim Chemical International Inc.)

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SECTION 1: IDENTIFICATION	
Product Trade Name:	Maxim Combat
Product Code:	1100190
Recommended Use:	Low-temp and high-temp dish machine detergent for hard water use
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:	800-663-9925
Email Address of Competent Person Responsible for the SDS:	regulatory@projectclean.com
Emergency Phone Number/ 24-Hour Number:	For Transportation Emergencies: Canutec 613-996-6666 Emergency Response Services: Chemtrec 800-424-9300

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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
	CARCINOGENICITY – Category 2
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.
	H351 Suspected of causing cancer.
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.
	P201 Obtain special instructions before use.

SECTION 2: HAZARD IDENTIFICATION	
	P202 Do not handle until all safety precautions have been read and understood.
Responses:	P390 Absorb spillage to prevent material damage.
	P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
	P363 Wash contaminated clothing before reuse.
	P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P310 Immediately call a POISON CENTER/doctor/physician.
	P321 Specific treatment (see supplemental first aid information on this label).
	P305 + P351 + P338 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 advice/ attention.
Storage:	P406 Store in a corrosion resistant container with a resistant inner liner.
	P405 Store locked up.
Disposal:	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
Trisodium nitrilotriacetate	10-30	18662-53-8
Sodium Hydroxide	7-13	1310-73-2

* Trisodium nitrilotriacetate's monohydrate CAS number is 18662-53-8; In most world areas it is regulated as CAS 5064-31-3, the anhydrous form.

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SECTION 4: FIRST-AID MEASURES	
General Information:	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.
Inhalation:	Immediately remove the affected victim to fresh air. If symptoms persist, obtain medical attention. Oxygen or artificial respiration if needed. Do not use mouth-to-

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SECTION 4: FIRST-AID MEASURES	
	mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician if feeling unwell.
Skin Contact:	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
Eye Contact:	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
Ingestion:	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.
Self Protection of the First Aider:	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.
Most Important Symptoms/ Effects, Acute and Delayed:	<p>Ingestion: May burn mouth and throat. May cause gastrointestinal irritation or ulceration.</p> <p>Inhalation: Low toxicity. Excessive exposure may cause severe irritation to the upper respiratory tract.</p> <p>Eyes and skin: May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Brief contact may cause skin burns.</p>
If irritation occurs or persists, get medical attention.	

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SECTION 5: FIRE-FIGHTING MEASURES	
Suitable Extinguishing Media:	Water fog, alcohol foam, or dry chemical.
Unsuitable Extinguishing Media:	Do not use water jet as an extinguisher, as this will spread the fire.
Flammability:	Not flammable
Flash Point:	Not flammable
Special Firefighting Procedures:	Directing a solid stream of water into a hot burning liquid can cause frothing and spread the fire. Wear NIOSH/MSHA approved, self-contained breathing apparatus for firefighting situation. Use water spray to cool all nearby fire exposed surfaces. This material is harmful to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

SECTION 5: FIRE-FIGHTING MEASURES

Unusual Fire / Explosion Hazards:	Hydrogen gas may be released upon contact with certain metals.
Hazardous Decomposition Products:	Oxides of carbon, oxides of nitrogen, metal oxide/oxides, hydrogen cyanide, ammonia.

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Environmental Protection Precautions:	Do not release to the environment or water source.
Steps to be Taken in Case Material is Released or Spilled:	Wear protective equipment. Sweep up and shovel material into an appropriate waste container. Flush area with water if appropriate. 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**

Precautions to be Taken in Handling and Storage:	Use good industrial hygiene. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Keep out of reach of children. Store at temperatures below 30°C and above 5°C. Do not store in metal containers.
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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

Appropriate Engineering Controls:	Good general ventilation.
Skin Protection:	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 involved. Appropriate footwear should be selected based on the task being performed and the risks involved.
Eye and Face Protection:	Use chemical goggles or safety glasses.
Respiratory Protection:	Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Other Protective Equipment:	Eye wash, safety shower and full protective clothing recommended in the immediate work area.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear red liquid
Odour:	No added fragrance
Odour threshold:	N/A
pH:	> 13
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):	1.3 @ 20°C
Solubility(ies):	Soluble in water
Partition coefficient: n-octanol/water:	N/A
Auto-ignition temperature:	Not flammable
Decomposition temperature:	N/A
Viscosity:	N/A
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:	N/A
Conditions to avoid:	Temperatures above 30°C and below 5°C.
Incompatibility:	Strong oxidizing agents and acids.

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SECTION 10: STABILITY AND REACTIVITY

Hazardous Decomposition Products:	Oxides of carbon, oxides of nitrogen, metal oxide/oxides, hydrogen cyanide, ammonia.
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SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure:	Ingestion, skin and eye contact.
Symptoms:	SKIN CONTACT: May cause severe burns to skin. EYE CONTACT: May cause burns & serve eye damage. INHALATION: Mists may be irritant & cause burns to the respiratory tract. INGESTION: May cause severe burns to the digestive system.
Acute Toxicity Estimates:	LD ₅₀ Oral ATE > 2000 mg/kg
	LD ₅₀ Dermal ATE > 2000 mg/kg
	LD ₅₀ Inhalation ATE: N/A
Carcinogenicity:	Nitrilotriacetic Acid (NTA) and its salts (CAS# 130-13-9) (evaluated as a group) is listed as Group 2B carcinogen by IARC. Group 2B – Possibly carcinogenic to humans.

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SECTION 12: ECOLOGICAL INFORMATION

Toxicity to Fresh Water Algae:	Trisodium Nitrilotriacetate (CAS# 5064-31-3): EC ₅₀ (Desmodesmus subspicatus) 298 mg/L, Exposure Time, 72 h, Test Type: N/A
Toxicity to Fish Species:	Sodium Hydroxide (CAS# 1310-73-2): LC ₅₀ (Oncorhynchus mykiss) 45.4 mg/L, Exposure Time, 96 h, Test Type: Static
	Trisodium Nitrilotriacetate (CAS# 5064-31-3): LC ₅₀ (Lepomis macrochirus) 298 mg/L, Exposure Time, 96 h, Test Type: N/A LC ₅₀ (Pimephales promelas) 103 mg/L, Exposure Time, 96 h, Test Type: N/A
Toxicity to Aquatic Invertebrates:	Trisodium Nitrilotriacetate (CAS# 5064-31-3): LC ₅₀ (Gammarus pseudolimnaeus) 80 mg/L, Exposure Time, 96 h, Test Type: N/A LC ₅₀ (Physa heterostropha) 400 mg/L, Exposure Time, 48 h, Test Type: N/A
Persistence and degradability:	N/A

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SECTION 13: DISPOSAL CONSIDERATIONS

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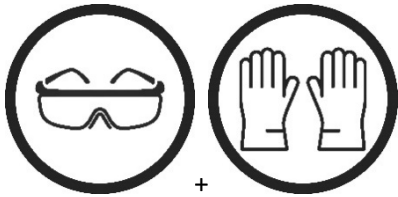
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SECTION 14: TRANSPORT INFORMATION

Canadian TDG UN Number:	1719
UN Proper Shipping Name:	CAUSTIC ALKALI LIQUID, N.O.S., (Sodium Hydroxide)
Transport Hazard Class(es):	8
Packing Group:	II
Environmental Hazards:	Not available.
Special Precautions for User:	Not available.
Additional Information:	Not available.

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SECTION 15: REGULATORY INFORMATION

HAZARD RATING INFORMATION 4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant	<p style="text-align: center;">HMIS</p> <table border="1"> <tr> <td style="background-color: #0056b3; color: white;">3</td> <td>Health</td> </tr> <tr> <td style="background-color: #ff0000; color: white;">0</td> <td>Flammability</td> </tr> <tr> <td style="background-color: #ffff00; color: black;">0</td> <td>Reactivity</td> </tr> <tr> <td style="background-color: #cccccc;">B</td> <td>Personal protection</td> </tr> </table> <p style="text-align: center;">B = Safety Glasses + Gloves</p>	3	Health	0	Flammability	0	Reactivity	B	Personal protection
	3	Health							
0	Flammability								
0	Reactivity								
B	Personal protection								
HMIS Protection Group 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	
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
EC₅₀	Half maximal effective concentration
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
LC₅₀	Lethal concentration, 50%
LD₅₀	Lethal dose, 50%
MSHA	Mine Safety and Health Administration
N/A	Not Available
NIOSH	The National Institute for Occupational Safety and Health
N.O.S.	Not Otherwise Specified
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PNOC	Particulates not otherwise classified
PMMCC	Pensky-Martens Closed Cup
P_{ow}	Partition Coefficient Octanol: Water
SDS	Safety Data Sheets
STOT – SE	Specific Target Organ Toxicity – Single Exposure
STOT – RE	Specific Target Organ Toxicity – Repeated Exposure
TDG	Transportation of Dangerous Goods
TLV	Threshold Limit Value
UN	United Nations
VOCs	Volatile Organic Compounds
WEL	Workplace Exposure Limit
WHMIS	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.

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