Safety Data Sheet Sections

SECTION 1: IDENTIFICATION	
Product Trade Name:	Maxim Attack
Product Code:	1300085
Recommended Use:	Cleaner disinfectant (1:256) Canada Drug Identification Number (DIN) 02247846
Restrictions on Use:	For 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:	NONE
Health Hazards:	ACUTE TOXICITY – ORAL – Category 4
	ACUTE TOXICITY – INHALATION – Category 2
	SKIN CORROSION/IRRITATION – Category 1
	EYE DAMAGE/IRRITATION – Category 1
Symbol:	
Signal word:	DANGER
Hazard Statement:	H302 Harmful if swallowed.
	H330 Fatal if inhaled.
	H314 Causes severe skin burns and eye damage.
	H318 Causes serious eye damage.
PRECAUTIONARY STATEMENTS	
Prevention:	P264 Wash hands and affected area thoroughly after handling.
	P270 Do not eat, drink or smoke when using this product.
	P260 Do not breath fume/ gas/ mist/ vapours/ spray.
	P271 Use only outdoors or in a well-ventilated area.

SECTION 2: HAZARD IDENTIFICATION	
	P284 In case of inadequate ventilation, wear respiratory protection.
	P280 Wear protective gloves/protective clothing/eye protection/face protection.
Responses:	P301 + P317 + P330 IF SWALLOWED: Get medical help. Rinse mouth.
	P304 + P340 + P316 + P320 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately. Specific treatment is urgent (see supplemental first aid information on this label).
	P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P302 + P361 + P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.
	P363 Wash contaminated clothing before reuse.
	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.
Storage:	P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
	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**
Alkyl Dimethyl Benzyl Ammonium Chlorides (C12-16)	5-10	68424-85-1
Octyl decyl dimethyl ammonium chloride	5-10	32426-11-2
Didecyl dimethyl ammonium chloride	1-5	7173-51-5
Dioctyldimethylammonium chloride	1-5	5538-94-3
Ethanol	1-5	64-17-5
Alcohol Ethoxylate	1-5	68439-46-3
Tetrasodium Ethylene Diamine Tetraacetate	1-5	64-02-8

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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-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 all contaminated clothing immediately. 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:	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
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:	**Ingestion:** Burning pain and severe digestive track damage. **Inhalation:** May be fatal if inhaled, shortness of breath. **Eyes and skin:** Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
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:	Flammable liquid and vapor.
Flash Point:	> 93.9°C
Special Firefighting Procedures:	Wear full protective equipment, including a NIOSH/MSHA approved, self-contained breathing apparatus for firefighting situations. Use water spray to cool all nearby fire exposed surfaces.
Unusual Fire / Explosion Hazards:	Vapors may form explosive mixture with air.

SECTION 5: FIRE-FIGHTING MEASURES	
Hazardous Decomposition Products:	Irritating and toxic gases or fumes may be released during a fire.

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SECTION 6: ACCIDENTAL RELEASE MEASURES	
Environmental Protection Precautions:	Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.
Steps to be Taken in Case Material is Released or Spilled:	Wear protective equipment. Dike and contain large spills. Pump spills into an approved waste container. For small spills, soak up with a suitable absorbent such as clay, soil or commercially available absorbents, and then dispose of into an approved waste container. Keep away from sewers and out of natural waters.

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SECTION 7: HANDLING AND STORAGE	
Precautions to be Taken in Handling and Storage:	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 30°C and keep from freezing.

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION		
EXPOSURE LIMITS:		
OSHA (PEL): N/A	ACGIH TLV: N/A	Other exposure limit: N/A
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:	In case of insufficient ventilation, wear suitable respiratory equipment.	
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:	6.5 – 7.5
Melting point/Freezing point:	N/A
Initial boiling point and boiling range:	N/A
Flash Point:	>93.3°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):	1.01 @ 20°C
Solubility(ies):	Soluble in water
Partition coefficient: n-octanol/water:	N/A
Auto-ignition temperature:	N/A
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:	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatibility:	Strong oxidizing agents. Anionic surfactants. Heat. Flame.
Hazardous Decomposition Products:	Oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

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SECTION 11: TOXICOLOGICAL INFORMATION	
Likely routes of exposure:	Skin, eyes, inhalation, ingestion.
Symptoms:	Product exposure may irritate or cause burning sensation to skin and eyes. Inhaling vapors or mists may irritate mucous membranes. Prolonged inhalation exposure may cause headaches, nausea, etc. Ingestion may cause gastro-intestinal and abdominal discomfort.
Acute Toxicity Estimates:	LD_{50} Oral ATE > 300 but ≤ 2000 mg/kg bodyweight.
	LD_{50} Dermal ATE > 2000 mg/kg
	LD_{50} Inhalation ATE (vapour): > 0.5 but ≤ 2.0 mg/l
Skin Sensitization:	Data available on components indicates no potential skin sensitization.
Germinal Cell Mutagenicity:	Data available on components indicates no potential germinal cell mutagenicity.
Reproductive Toxicity:	Data available on components indicates no potential reproductive toxicity.
Carcinogenicity:	This product contains < 1% Trisodium Nitrilotriacetate (CAS# 5064-31-3) which is listed as Group 2B carcinogen by IARC.
Aspiration Hazard:	Data available on components indicates no potential aspiration hazard.

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SECTION 12: ECOLOGICAL INFORMATION	
Toxicity to Fresh Water Algae:	N/A
Toxicity to Fish Species:	N/A
Toxicity to Aquatic Invertebrates:	N/A
Persistence and degradability:	N/A

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SECTION 13: DISPOSAL CONSIDERATIONS	
Recommended Waste Disposal Methods:	**PESTICIDE DISPOSAL** - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. **CONTAINER DISPOSAL** – Non-refillable container. Do not reuse or refill this container. Offer forrecycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by province and local authorities, by burning. If burned, stay out of smoke. **(For containers 5 gallons or less):** Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after flow

SECTION 13: DISPOSAL CONSIDERATIONS	
	begins to drip. Fill container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **(For containers greater than 5 gallons):** Triple rinse container promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

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SECTION 14: TRANSPORT INFORMATION	
Canadian TDG UN Number:	UN1760
UN Proper Shipping Name:	CORROSIVE LIQUID, N.O.S. (quaternary ammonium chloride)
Transport Hazard Class(es):	8
Packing Group:	III
Environmental Hazards:	This product is a marine pollutant.
Special Precautions for User:	Emergency response guide No. 154
Additional Information:	Limited Quantity Index: 5L

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SECTION 15: REGULATORY INFORMATION

HAZARD RATING INFORMATION

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

HMIS

4	Health
0	Flammability
0	Reactivity
G	Personal protection

G = Safety Glasses and Gloves + Vapour Respirator

SECTION 15: REGULATORY INFORMATION	
HMIS Protection **Group G**	
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_{50}	Half maximal effective concentration
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
LC_{50}	Lethal concentration, 50%
LD_{50}	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

SECTION 16: OTHER INFORMATION	
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.