




Safety Data Sheet Sections

SECTION 1: IDENTIFICATION	2
SECTION 2: HAZARD IDENTIFICATION.....	2
PRECAUTIONARY STATEMENTS	2
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS	3
SECTION 4: FIRST-AID MEASURES.....	3
SECTION 5: FIRE-FIGHTING MEASURES.....	4
SECTION 6: ACCIDENTAL RELEASE MEASURES	4
SECTION 7: HANDLING AND STORAGE	5
SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION	5
EXPOSURE LIMITS:	5
INDIVIDUAL PROTECTION MEASURES / PERSONAL PROTECTIVE EQUIPMENT	5
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	6
SECTION 10: STABILITY AND REACTIVITY	6
SECTION 11: TOXICOLOGICAL INFORMATION	7
SECTION 12: ECOLOGICAL INFORMATION	7
SECTION 13: DISPOSAL CONSIDERATIONS.....	8
SECTION 14: TRANSPORT INFORMATION.....	8
SECTION 15: REGULATORY INFORMATION.....	8
SECTION 16: OTHER INFORMATION	9
ACRONYM LIST	9

SECTION 1: IDENTIFICATION	
Product Trade Name:	Maxim SM Cleaner
Product Code:	1401266
Recommended Use:	Soft metal cleaner/ degreaser
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

SECTION 2: HAZARD IDENTIFICATION	
Physical Hazards:	CORROSIVE TO METALS – Category 1
Health Hazards:	SKIN CORROSION/IRRITATION – Category 1
	EYE DAMAGE/IRRITATION – Category 1
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) – Category 3
Symbol:	
Signal word:	DANGER
Hazard Statement:	H290 May be corrosive to metals.
	H314 Causes severe skin burns and eye damage.
	H318 Causes serious eye damage.
	H335 May cause respiratory irritation.
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.
	P271 Use only outdoors or in a well-ventilated area.
Responses:	P390 Absorb spillage to prevent material-damage.

SECTION 2: HAZARD IDENTIFICATION	
	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.
	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.
Storage:	P405 Store locked up.
	P406 Store in a corrosion resistant container with a resistant inner liner.
	P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
Disposal:	P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient	Approx. Wt.%	CAS Number
Disodium Metasilicate	10-30	6834-92-0
Trisodium Phosphate, Dodecahydrate	10-30	3095800
Sodium Tripolyphosphate	10-30	7758-29-4
Sodium Carbonate	10-30	497-19-8
Tetrasodium Pyrophosphate	1-5	7722-88-5

SECTION 4: FIRST-AID MEASURES	
General Information:	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Inhalation:	Immediately remove the affected victim to fresh air. If symptoms persist, obtain medical attention.
Skin Contact:	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.
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.

SECTION 4: FIRST-AID MEASURES	
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:	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 of mouth and throat, abdominal cramps, nausea, vomiting, diarrhea, shock. Inhalation: Irritant of the nose and throat, causing coughing, difficulty breathing. Eyes and skin: Corrosive injury.
If irritation occurs or persists, get medical attention.	

SECTION 5: FIRE-FIGHTING MEASURES	
Suitable Extinguishing Media:	Water fog, alcohol foam, or dry chemical.
Unsuitable Extinguishing Media:	None known.
Flammability:	Not flammable.
Flash Point:	Not flammable.
Special Firefighting Procedures:	Wear full protective equipment including a NIOSH/MSHA approved, self-contained breathing apparatus for firefighting situation. Use water spray to cool all nearby fire exposed surfaces.
Unusual Fire / Explosion Hazards:	Contact with reactive metals may produce flammable hydrogen gas.
Hazardous Decomposition Products:	Hydrogen gas, oxides of sodium, oxides of phosphorus.

SECTION 6: ACCIDENTAL RELEASE MEASURES	
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.

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 (86°F) and above 5°C (41°F). Do not store in metal containers. Prolonged storage may cause product to cake and become damp from atmospheric moisture.
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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE LIMITS:****Trisodium Phosphate, Dodecahydrate**

CAS No.:	1010-89-0
Regulation:	ACGIH
Type of Listing:	TWAS
Value:	10 mg/m ³ TWA (inhalable particles, recommended); 3 mg/m ³ TWA (respirable particles, recommended) as PNOC

Tetrasodium Pyrophosphate

CAS No.:	7722-88-5
Regulation:	Ontario
Type of Listing:	TWA
Value:	5 mg/m ³
Regulation:	Quebec OEL
Type of Listing:	TWA
Value:	5 mg/m ³

INDIVIDUAL PROTECTION MEASURES / PERSONAL PROTECTIVE EQUIPMENT

Appropriate Engineering Controls:	Mechanical ventilation (dilution or local exhaust).
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:	For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. If exposure exceeds occupational exposure limits, use an appropriate NIOSH-approved respirator.

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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:	White powder.
Odour:	No added fragrance.
Odour threshold:	N/A
pH:	12.0-13.0 (3.1% solution)
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.
Vapor pressure:	N/A
Vapor density:	N/A
Relative density/Specific gravity (Water = 1):	N/A
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

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	N/A
Chemical stability:	Stable under normal storage conditions.
Possibility of hazardous reactions:	Contact with acids will cause evolution of heat. Flammable hydrogen gas can be generated on prolonged contact of water solutions with sensitive metals (aluminum, brass, copper, lead, tin, zinc).
Conditions to avoid:	Temperatures above 30°C and below 5°C. Avoid contact with reactive metals.

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SECTION 10: STABILITY AND REACTIVITY

Incompatibility:	Corrosive to metals, producing flammable hydrogen gas. Not compatible with strong oxidizing/reducing agents, bases, metals, acids.
Hazardous Decomposition Products:	Hydrogen gas, oxides of sodium, oxides of phosphorus.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure:	Ingestion, skin and eye contact.
Symptoms:	Corrosive to eyes and skin. Irritating to respiratory track.
Acute Toxicity Estimates:	LD ₅₀ Oral ATE > 2000 mg/kg
	LD ₅₀ Dermal ATE > 2000 mg/kg
	LD ₅₀ Inhalation ATE: N/A
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:	Not listed by NTP, IARC, OSHA, ACGIH.
Aspiration Hazard:	Data available on components indicates no potential aspiration hazard.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity to Fresh Water Algae:	N/A
Toxicity to Fish Species:	Sodium Metasilicate (CAS# 6834-92-0): LC ₅₀ (Brachydanio rerio) 210 mg/L, Exposure Time: 96 h, Test Type: Semi-static
	Trisodium Phosphate, Dodecahydrate (CAS# 10101-89-0): EC ₅₀ (Mosquitofish) 151 mg/L, Exposure Time: 96 h, Test type: N/A
	Sodium Carbonate (CAS# 497-19-8) : LC ₅₀ (Pimephales promelas) 310-1220 mg/L, Exposure Time: 96 h, Test Type: Static LC ₅₀ (Lepomis macrochirus) 300 mg/L, Exposure Time: 96 h, Test Type: Static
Toxicity to Aquatic Invertebrates:	Trisodium Phosphate, Dodecahydrate (CAS# 10101-89-0): EC ₅₀ (daphnia magna (water flea)) 126 mg/L, Exposure Time: 96 h, Test type: N/A

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SECTION 12: ECOLOGICAL INFORMATION

Persistence and degradability:	N/A
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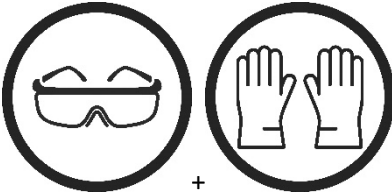
SECTION 13: DISPOSAL CONSIDERATIONS

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

Canadian TDG UN Number:	3262
UN Proper Shipping Name:	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (sodium metasilicate)
Transport Hazard Class(es):	8
Packing Group:	III
Environmental Hazards:	Not available.
Special Precautions for User:	Not available.
Additional Information:	Limited Quantity Index: 5 kg

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; text-align: center;">2</td> <td>Health</td> </tr> <tr> <td style="background-color: #ff0000; color: white; text-align: center;">0</td> <td>Flammability</td> </tr> <tr> <td style="background-color: #ffff00; text-align: center;">0</td> <td>Reactivity</td> </tr> <tr> <td style="text-align: center;">B</td> <td>Personal protection</td> </tr> </table> <p style="text-align: center;">B = Safety glasses + Gloves</p>	2	Health	0	Flammability	0	Reactivity	B	Personal protection
	2	Health							
0	Flammability								
0	Reactivity								
B	Personal protection								
HMIS Protection Group B									

SECTION 15: REGULATORY INFORMATION

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).

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
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

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SECTION 16: OTHER INFORMATION	
WEL	Workplace Exposure Limit
WHMIS	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.