Project Clean
a naturally better tomorrow

Safety Data Sheet Sections

SECTION 1: IDENTIFICATION	
Product Trade Name:	Project Clean Silver Pre-Soak
Product Code:	
Recommended Use:	Pre-soak for cutlery
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:	None
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:	H314 Causes severe skin burns and eye damage.
	H318 Causes serious eye damage.
	H335 May cause respiratory irritation.
PRECAUTIONARY STATEMENTS	
Prevention:	P260 Do not breath dust/fume/gas/mist/vapours/spray.
	P264 Wash hands and affected area thoroughly after handling.
	P280 Wear protective gloves/ eye protection/ face protection.
Responses:	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].

SECTION 2: HAZARD IDENTIFICATION	
	P363 Wash contaminated clothing before reuse.
	P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	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 + P311 If exposed or concerned call a POISON CENTRE/doctor.
	P310 Immediately call a POISON CENTER/doctor/physician.
	P321 Specific treatment (see supplemental first aid information on this label).
Storage:	P403 + P235 Store in a well-ventilated place. Keep cool.
	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**
Sodium Carbonate	60-80	497-19-8
Trisodium Phosphate Dodecahydrate	7-13	10101-89-0
Sodium Tripolyphosphate	5-10	7758-29-4

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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.
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.
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.

SECTION 4: FIRST-AID MEASURES	
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:** Corrosive to digestive track. **Inhalation:** May cause respiratory irritation. **Eyes and skin:** Corrosive to eyes and skin.
If irritation occurs or persists, get medical attention.	

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SECTION 5: FIRE-FIGHTING MEASURES	
Extinguishing Media:	Use extinguishing media suitable for surrounding fires.
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:	None.
Hazardous Decomposition Products:	Carbon oxides, phosphorous oxides, sodium oxides.

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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. Avoid dust formation. Sweep up material and dispose 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.

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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, on skin or on clothing. Avoid breathing dust. Store in a cool, dry place away from incompatibles.

SECTION 7: HANDLING AND STORAGE	
	Keep container closed when not in use. Keep out of reach of children. Store at temperatures below 30°C.

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 or local exhaust ventilation for dust generated in confined areas.	
Skin Protection:	Hand Protection: Non-permeable gloves (rubber, nitrile) recommended. Other Skin Protection: Not required under normal use condition.	
Eye and Face Protection:	Safety glasses if eye contact may occur.	
Respiratory Protection:	Not required under normal use condition.	
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:	Blue powder.
Odour:	Odourless.
Odour threshold:	N/A
pH:	11.5 (3.1% solution).
Melting point/Freezing point:	N/A
Initial boiling point and boiling range:	N/A
Flash Point:	Not flammable.
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):	N/A
Solubility(ies):	Soluble in water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
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:	None under recommended use conditions.
Conditions to avoid:	Excess heat and moisture. Temperatures above 30°C and below 5°C.
Incompatibility:	Strong acids, strong oxidizing agents, strong reducing agents.
Hazardous Decomposition Products:	Carbon oxides, phosphorous oxides, sodium oxides.

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SECTION 11: TOXICOLOGICAL INFORMATION	
Likely routes of exposure:	Ingestion, skin and eye contact.
Symptoms:	Causes skin burns and eye damage. May cause irritation of the respiratory tract.
Acute Toxicity Estimates:	LD_{50} Oral > 2000 mg/kg; LD_{50} Dermal > 2000 mg/kg;
Carcinogenicity:	Not listed by NTP, IARC, OSHA, ACGIH.
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 the 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.

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SECTION 12: ECOLOGICAL INFORMATION	
Toxicity to Fresh Water Algae:	N/A
Toxicity to Fish Species:	**Sodium Carbonate (CAS# 497-19-8):** LC_{50} (Pimephales promeals) 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:	**Sodium Carbonate (CAS# 497-19-8):** EC_{50} (Daphnia magna (water flea)): 265 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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SECTION 14: TRANSPORT INFORMATION	
Canadian TDG UN Number:	Not Regulated
UN Proper Shipping Name:	Not Regulated
Transport Hazard Class(es):	Not Regulated
Packing Group:	Not Regulated
Environmental Hazards:	Not available.
Special Precautions for User:	Not available.
Additional Information:	Not available.

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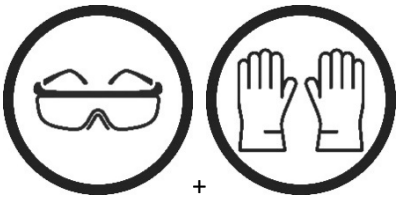
SECTION 15: REGULATORY INFORMATION

HAZARD RATING INFORMATION

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

HMIS

1	Health
0	Flammability
0	Reactivity
B	Personal protection

SECTION 15: REGULATORY INFORMATION	
	B = Safety glasses + Gloves
HMIS Protection **Group B**	
All components of this product are listed on DSL/NDSL. All pertinent hazard information has been provided in this SDS, as per the requirements of 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
PMMCC	Pensky-Martens Closed Cup
P_{ow}	Partition Coefficient Octanol: Water
SDS	Safety Data Sheets

SECTION 16: OTHER INFORMATION	
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

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.