




## 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 .....	5
SECTION 10: STABILITY AND REACTIVITY.....	6
SECTION 11: TOXICOLOGICAL INFORMATION .....	6
SECTION 12: ECOLOGICAL INFORMATION.....	6
SECTION 13: DISPOSAL CONSIDERATIONS.....	7
SECTION 14: TRANSPORT INFORMATION.....	7
SECTION 15: REGULATORY INFORMATION.....	7
SECTION 16: OTHER INFORMATION .....	8
ACRONYM LIST .....	8

SECTION 1: IDENTIFICATION	
Product Trade Name:	Maxim Tornado Laundry Detergent
Product Code:	1201290
Recommended Use:	Laundry detergent
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:	<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:	Canada: Canutec <a href="tel:613-996-6666">613-996-6666</a> U.S.A.: Chemtrec <a href="tel:800-424-9300">800-424-9300</a>

[Back to Top](#)

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 TOXICIT – SINGLE EXPOSURE – Category 3
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
	H335 May cause respiratory irritation
PRECAUTIONARY STATEMENTS	
Prevention:	P234 Keep only in original packaging.
	P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
	P264 Wash hands or affected area thoroughly after handling.
	P271 Use only outdoor or in a well-ventilated area.

SECTION 2: HAZARD IDENTIFICATION	
	P280 Wear protective gloves/protective clothing/eye protection/face protection.
<b>Responses:</b>	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.
	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P321 Specific treatment (see supplemental first aid information on this label).
<b>Storage:</b>	P403+P233 Store in a well-ventilated place. Keep container tightly closed.
	P405 Store locked up.
<b>Disposal:</b>	P50 Dispose of contents/container to an approved waste disposal plant. Dispose content/material in accordance with all local, provincial or federal regulations.

[Back to Top](#)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient	Approx. Wt.%	CAS Number
Sodium Carbonate	60-80	497-19-8
Alcohols, C9-11, Ethoxylated	5-10	68439-46-3
Sodium Metasilicate	3-7	6834-92-0

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.

SECTION 4: FIRST-AID MEASURES	
<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>	Missing
<b>If irritation occurs or persists, get medical attention.</b>	

SECTION 5: FIRE-FIGHTING MEASURES	
<b>Suitable Extinguishing Media:</b>	Use extinguishing media suitable for surrounding fires.
<b>Unsuitable Extinguishing Media:</b>	Missing
<b>Flammability:</b>	Not flammable.
<b>Flash Point:</b>	Not flammable.
<b>Special Firefighting Procedures:</b>	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.
<b>Unusual Fire / Explosion Hazards:</b>	None
<b>Hazardous Decomposition Products:</b>	Carbon oxides.

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. Shovel dry material, vacuum residue 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.

**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. Avoid breathing dust. 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.
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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
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**INDIVIDUAL PROTECTION MEASURES / PERSONAL PROTECTIVE EQUIPMENT**

<b>Appropriate Engineering Controls:</b>	Good general ventilation or local exhaust ventilation for dust generated in confined areas.
<b>Skin Protection:</b>	Non-permeable chemically resistant gloves (rubber, nitrile). Wear protective clothing to minimize skin contact.
<b>Eye and Face Protection:</b>	Use chemical goggles or safety glasses.
<b>Respiratory Protection:</b>	Use NIOSH/MSHA approved dust respirator if product dust is generated.
<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>	White powder
<b>Odour:</b>	Odourless
<b>Odour threshold:</b>	N/A
<b>pH:</b>	11.5-12.5 (3.1% solution)
<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>Vapour pressure:</b>	N/A
<b>Vapour density:</b>	N/A
<b>Relative density/Specific gravity (Water = 1):</b>	1.09 g/mL

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Project Clean Inc.  
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Page 5 of 9

LAST UPDATE:

2020-03-27

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<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>	N/A
<b>VOCs%:</b>	N/A

**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity:</b>	N/A
<b>Chemical stability:</b>	Stable under normal storage conditions.
<b>Possibility of hazardous reactions:</b>	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).
<b>Conditions to avoid:</b>	N/A
<b>Incompatibility:</b>	Strong acids.
<b>Hazardous Decomposition Products:</b>	Carbon oxides.

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Likely routes of exposure:</b>	Skin and eye contact, inhalation.
<b>Symptoms:</b>	Corrosive to eyes and skin. May cause irritation of the respiratory tract.
<b>Acute Toxicity Estimates:</b>	LD <sub>50</sub> Oral ATE > 2000 mg/kg
	LD <sub>50</sub> Dermal ATE > 2000 mg/kg
	LD <sub>50</sub> Inhalation ATE: N/A
<b>Carcinogenicity:</b>	Not listed by NTP, IARC, OSHA, ACGIH.

**SECTION 12: ECOLOGICAL INFORMATION**

<b>Toxicity to Fresh Water Algae:</b>	N/A
<b>Toxicity to Fish Species:</b>	Sodium Carbonate (CAS# 497-19-8): LC <sub>50</sub> (Pimephales promeals) 310 - 1220 mg/L, Exposure Time, 96 h, Test Type: Static LC <sub>50</sub> (Lepomis macrochirus) 300 mg/L, Exposure Time: 96 h, Test Type: Static

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**SECTION 12: ECOLOGICAL INFORMATION**

	Sodium Metasilicate (CAS# 6834-92-0): LC <sub>50</sub> (Brachydanio rerio) 210 mg/L, Exposure Time, 96 h, Test Type: Semi-static
<b>Toxicity to Aquatic Invertebrates:</b>	Sodium Carbonate (CAS# 497-19-8): EC <sub>50</sub> (Daphnia magna (water flea)): 265 mg/L, Exposure Time: 48 h, Test Type: N/A
<b>Persistence and degradability:</b>	N/A

**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.
<b>Environmental Hazards:</b>	Missing
<b>Special Precautions for User:</b>	Missing
<b>Additional Information:</b>	Missing

**SECTION 15: REGULATORY INFORMATION**

<b>HAZARD RATING INFORMATION</b>									
	<p>4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant</p>								
	<p style="text-align: center;"><b>HMIS</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="background-color: #0056b3; color: white; text-align: center;"><b>2</b></td> <td style="background-color: #0056b3; color: white;">Health</td> </tr> <tr> <td style="background-color: #ff0000; color: white; text-align: center;"><b>0</b></td> <td style="background-color: #ff0000; color: white;">Flammability</td> </tr> <tr> <td style="background-color: #ffff00; text-align: center;"><b>0</b></td> <td style="background-color: #ffff00;">Reactivity</td> </tr> <tr> <td style="text-align: center;"><b>B</b></td> <td>Personal protection</td> </tr> </table> <p style="text-align: center;">A=Gloves B=Goggles &amp; Gloves C=Goggles, Gloves, &amp; Apron</p>	<b>2</b>	Health	<b>0</b>	Flammability	<b>0</b>	Reactivity	<b>B</b>	Personal protection
<b>2</b>	Health								
<b>0</b>	Flammability								
<b>0</b>	Reactivity								
<b>B</b>	Personal protection								

**SECTION 15: REGULATORY INFORMATION**

**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).

**SECTION 16: OTHER INFORMATION****ACRONYM LIST**

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>CFR</b>	Code of Federal Regulations
<b>DSL/NDSL</b>	Domestic Substances List/ Non-domestic Substance List
<b>HMIS</b>	Hazardous Materials Identification System
<b>IARC</b>	International Agency for Research on Cancer
<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>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PEL</b>	Transportation of Dangerous Goods
<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>WHMIS</b>	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.

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