




Safety Data Sheet Sections

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SECTION 1: IDENTIFICATION	
Product Trade Name:	Maxim Citricon
Product Code:	1200200
Recommended Use:	Heavy duty liquid 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:	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:	FLAMMABLE LIQUIDS – Category 3
Health Hazards:	SENSITIZATION – SKIN – Category 1
	SKIN CORROSION/ IRRITATION – Category 2
	EYE DAMAGE/ IRRITATION – Category 1
Symbol:	
Signal word:	DANGER
Hazard Statement:	H226 Flammable liquid and vapour.
	H317 May cause an allergic skin reaction.
	H315 Causes skin irritation.
	H318 Causes serious eye damage.
PRECAUTIONARY STATEMENTS	
Prevention:	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P233 Keep container tightly closed.
	P240 Ground and bond container and receiving equipment.
	P241 Use explosion-proof equipment.
	P242 Use non-sparking tools.

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2020-10-19

SECTION 2: HAZARD IDENTIFICATION	
	P243 Take action to prevent static discharges.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
	P264 Wash hands and affected area thoroughly after handling.
	P272 Contaminated work clothing should not be allowed out of the workplace.
Responses:	P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
	P302 + P352 + P333 + P317 IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical help.
	P321 Specific treatment (see supplemental first aid information on this label).
	P362 + P364 Take off contaminated clothing and wash it before reuse.
	P305 + P351 + P338 + P317 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help.
	P370 + P378 In case of fire: Use water fog, alcohol foam or dry chemical to extinguish.
Storage:	P403 + P235 Store in a well-ventilated place. Keep cool.
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
Alcohol Ethoxylate	10-30	68439-46-3
D-Limonene	7-13	5989-27-5
Potassium Hydroxide	1-5	1310-58-3
Dipropylene Glycol Monomethyl Ether	1-5	34590-94-8

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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.

SECTION 4: FIRST-AID MEASURES	
Skin Contact:	Immediately flush exposed area with soap and 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. D-Limonene is a known skin sensitizer.
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:	Ingestion: May burn mouth and throat. May cause gastrointestinal irritation or ulceration. Inhalation: May cause respiratory irritation. 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.
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:	53°C (Pensky Martens Closed Cup)
Special Firefighting Procedures:	Wear NIOSH/MSHA approved, self-contained breathing apparatus for firefighting situation. Use water spray to cool all nearby fire exposed surfaces.
Unusual Fire / Explosion Hazards:	Avoid heat, flames and sparks. Avoid contact with Aldehydes, halogens, strong acids, strong oxidizing agents, alkalis, amines, ethylene oxide, halogenated hydrocarbons, isocyanates, do not use with aluminum equipment at temperatures above 50°C.
Hazardous Decomposition Products:	Carbon dioxide, carbon monoxide. The smoke may contain unidentified toxic and/or irritating compounds.

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2020-10-19

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. Soak up spills with absorbents, then dispose of in an appropriate waste container. 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. 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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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:	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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Appearance:	Clear orange liquid, slightly viscous.
Odour:	Orange, citrus scent.
Odour threshold:	N/A

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2020-10-19

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
pH:	>13
Melting point/Freezing point:	N/A
Initial boiling point and boiling range:	N/A
Flash Point:	53 °C (Pensky Martens Closed Cup)
Evaporation Rate (Water=1):	N/A
Flammability:	Flammable liquid and vapour
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:	This product is flammable.
Conditions to avoid:	Avoid heat, flames and sparks. Do not use with aluminum equipment at temperatures above 50°C.
Incompatibility:	Avoid contact with Aldehydes, halogens, strong acids, strong oxidizing agents, alkalis, amines, ethylene oxide, halogenated hydrocarbons, isocyanates.
Hazardous Decomposition Products:	Oxides of carbon. The smoke may contain unidentified toxic and/or irritating compounds.

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SECTION 11: TOXICOLOGICAL INFORMATION	
Likely routes of exposure:	Skin and eye contact, inhalation.

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2020-10-19

SECTION 11: TOXICOLOGICAL INFORMATION

Symptoms:	May cause mild irritation to eyes and skin. D-limonene is a known skin sensitizer.
Acute Toxicity Estimates:	LD ₅₀ (oral) > 2000 mg/kg
	LD ₅₀ (dermal) > 2000 mg/kg
	ATE _{mix} (inhalation, mist) 0.05-0.5 mg/L
Skin Sensitization:	12.2% of the ingredients are classified as a skin sensitizer.
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:	D-limonene (CAS# 5989-27-5) is listed as Group 3 carcinogen by IARC. Group 3 – Not Classifiable as to Carcinogenicity in Humans
Aspiration Hazard:	Data available on components indicates no potential aspiration hazard.

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SECTION 12: ECOLOGICAL INFORMATION

Toxicity to Fresh Water Algae:	D-Limonene (CAS# 5989-27-5): EC ₅₀ (Desmodesmus subspicatus (green algae)) 150 mg/L, Exposure Time: 72 h, Test Type: Static
Toxicity to Fish Species:	D-Limonene (CAS# 5989-27-5): LC ₅₀ (Pimephales promelas) 0.702 mg/L, Exposure Time, 96 h, Test Type: Flow-Through
Toxicity to Aquatic Invertebrates:	D-Limonene (CAS# 5989-27-5): EC ₅₀ (Daphnia magna (water flea)): 0.36 mg/L, Exposure Time: 48 h, Test Type: Static
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:	1993
UN Proper Shipping Name:	FLAMMABLE LIQUID, N.O.S. (d-limonene)
Transport Hazard Class(es):	3

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2020-10-19

SECTION 14: TRANSPORT INFORMATION

Packing Group:	III
Environmental Hazards:	Not available.
Special Precautions for User:	Not available.
Additional Information:	Limited Quantity Index: 5 Litres

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SECTION 15: REGULATORY INFORMATION

HAZARD RATING INFORMATION 4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant	HMIS <table border="1"> <tr> <td>3</td> <td>Health</td> </tr> <tr> <td>2</td> <td>Flammability</td> </tr> <tr> <td>0</td> <td>Reactivity</td> </tr> <tr> <td>C</td> <td>Personal protection</td> </tr> </table>	3	Health	2	Flammability	0	Reactivity	C	Personal protection
	3	Health							
2	Flammability								
0	Reactivity								
C	Personal protection								
HMIS Protection Group C	C = Safety Glasses + Gloves + Apron 								
<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

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SECTION 16: OTHER INFORMATION	
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
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.

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