




## Safety Data Sheet Sections

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SECTION 1: IDENTIFICATION	
Product Trade Name:	Citrus Power
Product Code:	1400280
Recommended Use:	Heavy duty alkaline orange oil 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:	<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:	For Transportation Emergencies: Canutec <a href="tel:613-996-6666">613-996-6666</a> Emergency Response Services: Chemtrec <a href="tel:800-424-9300">800-424-9300</a>

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SECTION 2: HAZARD IDENTIFICATION	
Physical Hazards:	CORROSIVE TO METALS – Category 1
	FLAMMABLE LIQUIDS – Category 3
Health Hazards:	SKIN CORROSION/IRRITATION – Category 1
	EYE DAMAGE/IRRITATION – Category 1
	SENSITIZATION – SKIN – Category 1
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) – Category 2 (by inhalation)
	CARCINOGENICITY – Category 2
	ASPIRATION HAZARD – Category 1
Symbol:	
Signal word:	DANGER
Hazard Statement:	H290 May be corrosive to metals.
	H226 Flammable liquid and vapour.
	H314 Causes severe skin burns and eye damage.
	H318 Causes serious eye damage.
	H317 May cause an allergic skin reaction.
	H371 May cause damage to organs.

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SECTION 2: HAZARD IDENTIFICATION	
	H351 Suspected of causing cancer.
	H304 May be fatal if swallowed and enters airways.
PRECAUTIONARY STATEMENTS	
<b>Prevention:</b>	P234 Keep only in original packaging.
	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.
	P243 Take action to prevent static discharges.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P260 Do not breathe dusts or mists.
	P264 Wash hands or affected area thoroughly after handling.
	P272 Contaminated work clothing should not be allowed out of the workplace.
	P270 Do not eat, drink or smoke when using this product.
	P203 Obtain, read and follow all safety instructions before use.
<b>Responses:</b>	P390 Absorb spillage to prevent material-damage.
	P303 + P361 + P354 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Immediately rinse with water for several minutes. Rinse affected areas with water [or shower].
	P333 + P317 If skin irritation or rash occurs: Get medical help.
	P362 + P364 Take off contaminated clothing and wash it before reuse.
	P370 + P378 In case of fire: Use Water fog, alcohol foam, or dry chemical to extinguish.
	P301 + P330 + P331 + P316 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get emergency medical help immediately.
	P304 + P340 + P316 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately.
	P321 Specific treatment (see supplement 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.

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SECTION 2: HAZARD IDENTIFICATION	
	P308 + P316 IF exposed or concerned: Get emergency medical help immediately.
<b>Storage:</b>	P406 Store in a corrosion resistant container with a resistant inner liner.
	P403 + P235 Store in a well-ventilated place. Keep cool.
	P405 Store locked up.
<b>Disposal:</b>	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	1-5	68131-39-5
Sodium Hydroxide	1-5	1310-73-2
Tetrasodium Salt of Ethylenediaminetetraacetic Acid	1-5	64-02-8
D-Limonene	10-30	5989-27-5
Trisodium Nitrilotriacetate	0.1-1	5064-31-3

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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 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.
<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>	Aspiration hazard. 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 or Poison Control Center immediately.
<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/</b>	<b>Ingestion:</b> Aspiration into lungs may cause vomiting and lung injury. <b>Inhalation:</b> Aspiration into lungs can cause lung injury. Inhaling may cause dizziness and drowsiness.

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**SECTION 4: FIRST-AID MEASURES**

<b>Effects, Acute and Delayed:</b>	<b>Eyes and skin:</b> Corrosive to eyes and skin. May cause an allergic skin reaction if user is allergic to d-limonene.
<b>If irritation occurs or persists, get medical attention.</b>	

[Back to Top](#)**SECTION 5: FIRE-FIGHTING MEASURES**

<b>Suitable Extinguishing Media:</b>	Water fog, alcohol foam, or dry chemical.
<b>Unsuitable Extinguishing Media:</b>	Water spray.
<b>Flammability:</b>	Flammable liquid and vapor.
<b>Flash Point:</b>	54°C Pensky Martin Closed Cup.
<b>Special Firefighting Procedures:</b>	Wear 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>	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.
<b>Hazardous Decomposition Products:</b>	Carbon dioxide, carbon monoxide.

[Back to Top](#)**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. 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**

<b>Precautions to be Taken in Handling and Storage:</b>	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		
<b>Appropriate Engineering Controls:</b>	Mechanical ventilation (dilution or local exhaust).	
<b>Skin Protection:</b>	Hand Protection: Butyl rubber, neoprene, latex or nitrile gloves. Other Skin Protection: Synthetic apron. Appropriate footwear should be selected based on the task being performed and the risks involved.	
<b>Eye and Face Protection:</b>	Splash goggles.	
<b>Respiratory Protection:</b>	Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.	
<b>Other Protective Equipment:</b>	Eye wash, safety shower and full protective clothing recommended in the immediate work area.	

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
<b>Appearance:</b>	Clear orange liquid.
<b>Odour:</b>	Orange, citrus scent.
<b>Odour threshold:</b>	N/A
<b>pH:</b>	>13
<b>Melting point/Freezing point:</b>	N/A
<b>Initial boiling point and boiling range:</b>	N/A
<b>Flash Point:</b>	54°C (Pensky Martin Closed Cup)
<b>Evaporation Rate (Water=1):</b>	N/A
<b>Flammability:</b>	Flammable liquid and vapour
<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>	0.97 @ 20°C
<b>Solubility(ies):</b>	Soluble in water
<b>Partition coefficient: n-octanol/water:</b>	N/A
<b>Auto-ignition temperature:</b>	N/A
<b>Decomposition temperature:</b>	N/A
<b>Viscosity:</b>	N/A

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

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## SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure:	Ingestion, skin and eye contact.
Symptoms:	Inhalation may cause drowsiness and dizziness. Corrosive to skin and eyes.
Acute Toxicity Estimates:	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
Skin Sensitization:	26.2% 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:	This product contains < 0.485% Trisodium Nitrotriacetate (CAS# 5064-31-3) which is listed as Group 2B carcinogen by IARC.
Aspiration Hazard:	26.2% of the ingredients are classified as an aspiration hazard.

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## SECTION 12: ECOLOGICAL INFORMATION

Toxicity to Fresh Water Algae:	<b>D-Limonene (CAS# 5989-27-5):</b> EC <sub>50</sub> (Desmodesmus subspicatus (green algae)) 150 mg/L, Exposure Time: 72 h, Test Type: Static
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## SECTION 12: ECOLOGICAL INFORMATION

<b>Toxicity to Fish Species:</b>	<b>D-Limonene (CAS# 5989-27-5):</b> LC <sub>50</sub> (Pimephales promelas) 0.702 mg/L, Exposure Time, 96 h, Test Type: Flow-Through
<b>Toxicity to Aquatic Invertebrates:</b>	<b>D-Limonene (CAS# 5989-27-5):</b> EC <sub>50</sub> (Daphnia magna (water flea)): 0.36 mg/L, Exposure Time: 48 h, Test Type: Static
<b>Persistence and degradability:</b>	N/A

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## 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>	1993
<b>UN Proper Shipping Name:</b>	Flammable Liquid, N.O.S. (D-limonene)
<b>Transport Hazard Class(es):</b>	3
<b>Packing Group:</b>	III
<b>Environmental Hazards:</b>	Not available.
<b>Special Precautions for User:</b>	Not available.
<b>Additional Information:</b>	Limited Quantity Index: 5 Litres

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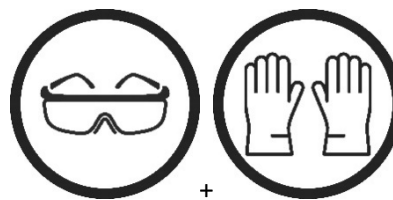
## SECTION 15: REGULATORY INFORMATION

<b>HAZARD RATING INFORMATION</b>	<b>HMIS</b>	
	<b>3</b>	Health
<b>4 = Extreme</b> <b>3 = High</b> <b>2 = Moderate</b> <b>1 = Slight</b> <b>0 = Insignificant</b>	<b>2</b>	Flammability
	<b>0</b>	Reactivity
	<b>B</b>	Personal protection
	B = Safety glasses + Gloves	



## SECTION 15: REGULATORY INFORMATION

HMIS Protection  
Group B



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

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>ATE</b>	Acute Toxicity Estimate
<b>CAS</b>	Chemical Abstracts Service
<b>CFR</b>	Code of Federal Regulations
<b>DSL/NDSL</b>	Domestic Substances List/ Non-domestic Substance List
<b>EC<sub>50</sub></b>	Half maximal effective concentration
<b>HMIS</b>	Hazardous Materials Identification System
<b>IARC</b>	International Agency for Research on Cancer
<b>LC<sub>50</sub></b>	Lethal concentration, 50%
<b>LD<sub>50</sub></b>	Lethal dose, 50%
<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>N.O.S.</b>	Not Otherwise Specified
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PEL</b>	Permissible Exposure Limit
<b>PNOC</b>	Particulates not otherwise classified
<b>PMMCC</b>	Pensky-Martens Closed Cup
<b>P<sub>ow</sub></b>	Partition Coefficient Octanol: Water

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SECTION 16: OTHER INFORMATION	
<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>WEL</b>	Workplace Exposure Limit
<b>WHMIS</b>	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.