




Safety Data Sheet Sections

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SECTION 1: IDENTIFICATION	
Product Trade Name:	Clean Spray
Product Code:	1300375
Recommended Use:	Heavy Duty 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

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SECTION 2: HAZARD IDENTIFICATION	
Physical Hazards:	NONE
Health Hazards:	SKIN CORROSION/IRRITATION – Category 1
	EYE DAMAGE/IRRITATION – Category 1
	SENSITIZATION – SKIN – Category 1
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) – Category 3
	ASPIRATION HAZARD – Category 1
Symbol:	
Signal word:	DANGER
Hazard Statement:	H314 Causes severe skin burns and eye damage.
	H318 Causes serious eye damage.
	H317 May cause an allergic skin reaction.
	H335 May cause respiratory irritation.
	H304 May be fatal if swallowed and enters airways.
PRECAUTIONARY STATEMENTS	
Prevention:	P260 Do not breathe dust/fume/gas/mist/vapours/spray.
	P264 Wash hands or affected area thoroughly after handling.

SECTION 2: HAZARD IDENTIFICATION	
	P272 Contaminated work clothing should not be allowed out of the workplace.
	P271 Use only outdoors or in a well-ventilated area.
	P280 Wear protective gloves/protective clothing/eye protection/face protection.
Responses:	P301 + P330 + P316 + P331 IF SWALLOWED: Rinse mouth. Get emergency medical help immediately. Do NOT induce vomiting.
	P302 + P361 + P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.
	P333 + P317 IF skin irritation or rash occurs: Get medical help.
	P362 + P364 Take off contaminated clothing and wash it before reuse.
	P321 Specific treatment (see supplemental first aid information on this label).
	P304 + P340 + P316 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately.
	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:	P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
	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
Ethylene Glycol Monobutyl Ether	5-10	111-76-2
Sodium Hydroxide	1-5	1310-73-2
Alcohol Ethoxylate	1-5	68439-46-3
Dodecyl Benzenesulfonic Acid, Sodium Salt	1-5	25155-30-0
Perfume	0.1-1	Mixture

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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.

SECTION 4: FIRST-AID MEASURES	
Inhalation:	Immediately remove the affected victim to fresh air. If symptoms persist, obtain medical attention.
Skin Contact:	Flood area with cool water for at least 20 minutes or until help arrives. Make sure water doesn't flow onto another part of the person's body or onto you. Don't use a strong stream of water, if possible. As you flush the burn (not before), remove jewelry or articles of clothing with chemical on them, unless they're stuck to the person's body. Don't try to neutralize the burn with acid or alkali. This could cause a chemical reaction that worsens the burn. Don't put antibiotic ointment on the burn.
Eye Contact:	Have the person immediately rinse the eye or eyes under a faucet, in a gentle shower, or with a clean container of water. Keep the person's face so that the injured eye is down and to the side. Avoid spraying a high-pressure water stream into the eye or eyes. Flush with lukewarm water for 15 to 30 minutes. For severe burns, continue flushing until you see a doctor or you arrive in an emergency room. The person should keep the eye open as wide as possible. Wash the person's hands thoroughly to make sure no chemical is still on them. Flush the eye to remove contact lenses. If they do not come out, try to gently remove them AFTER flushing. Do not rub the eye or place a bandage over the eye. While waiting for medical care, have the person wear sunglasses to decrease light sensitivity.
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:	<p>Ingestion: Aspiration into lungs may cause vomiting and lung injury. Burn mouth and throat. May cause gastrointestinal irritation or ulceration.</p> <p>Inhalation: Aspiration into lungs can cause lung injury. Inhaling may cause dizziness and drowsiness.</p> <p>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. May cause allergic skin reaction.</p>
Note to Physicians:	Treatment based on sound judgment of physician and individual reactions of patient. Due to structural analogy and clinical data, this material may have a mechanism of intoxication similar to ethylene glycol. On that basis, treatment similar to ethylene glycol intoxication may be of benefit. In cases where several ounces (60 - 100 ml) have been ingested, consider the use of ethanol and hemodialysis in the treatment. Consult standard literature for details of treatment. If ethanol is used, a therapeutically effective blood concentration in the range of 100 - 150 mg/dl may be achieved by a rapid loading dose followed by a continuous intravenous infusion. Consult standard literature for details of treatment. 4-Methyl pyrazole (Antizol®) is an effective blocker of alcohol dehydrogenase and should be

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SECTION 4: FIRST-AID MEASURES

used in the treatment of ethylene glycol (EG), di- or triethylene glycol (DEG, TEG), ethylene glycol butyl ether (EGBE), or methanol intoxication if available. Fomepizole protocol (Brent, J. et al., New England Journal of Medicine, Feb. 8, 2001, 344:6, p. 424-9): loading dose 15 mg/kg intravenously, follow by bolus dose of 10 mg/kg every 12 hours; after 48 hours, increase bolus dose to 15 mg/kg every 12 hours. Continue fomepizole until serum methanol, EG, DEG, TEG or EGBE are undetectable. The signs and symptoms of poisoning include anion gap metabolic acidosis, CNS depression, renal tubular injury, and possible late stage cranial nerve involvement. Respiratory symptoms, including pulmonary edema, may be delayed. Persons receiving significant exposure should be observed 24-48 hours for signs of respiratory distress. Maintain adequate ventilation and oxygenation of the patient. In severe poisoning, respiratory support with mechanical ventilation and positive end expiratory pressure may be required. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

If irritation occurs or persists, get medical attention.

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SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Water spray, carbon dioxide.
Unsuitable Extinguishing Media:	None known.
Flammability:	Not flammable.
Flash Point:	Not flammable.
Special Firefighting Procedures:	Evacuate personnel to a safe area. Keep containers cool with water spray. Avoid breathing decomposition products. Wear self-contained breathing apparatus and full body protection.
Unusual Fire / Explosion Hazards:	None known.
Hazardous Decomposition Products:	Oxides of sodium, carbon, and other unidentifiable organic compounds.

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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. Soak up spills with absorbents, then dispose of in an appropriate waste container. Keep material away from sewers.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

	Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.
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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, pale yellow/green liquid
Odour:	Lemon fragrance.
Odour threshold:	N/A
pH:	13.0 – 14.0
Melting point/Freezing point:	N/A
Initial boiling point and boiling range:	N/A

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
Flash Point:	>100 °C (Pensky Martin Closed Cup)
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):	1.04 @ 20 °C
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

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SECTION 10: STABILITY AND REACTIVITY	
Reactivity:	N/A
Chemical stability:	Stable under normal storage conditions.
Possibility of hazardous reactions:	Avoid contact with metal and acid.
Conditions to avoid:	Temperatures above 30°C and below 5°C. Avoid contact with reactive metals.
Incompatibility:	Metal and acid.
Hazardous Decomposition Products:	Oxides of sodium, carbon, and other unidentifiable organic compounds.

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SECTION 11: TOXICOLOGICAL INFORMATION	
Likely routes of exposure:	Ingestion, skin and eye contact.
Symptoms:	Corrosive to eyes and skin.
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:	0.5% of the ingredients are classified as a skin sensitizer.
Germinal Cell Mutagenicity:	Data available on components indicates no potential germinal cell mutagenicity.

SECTION 11: TOXICOLOGICAL INFORMATION

Reproductive Toxicity:	Data available on components indicates no potential reproductive toxicity.
Carcinogenicity:	Not listed by NTP, IARC, OSHA, ACGIH.
Aspiration Hazard:	9 % of the ingredients are classified as an aspiration hazard.

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Toxicity to Fresh Water Algae:	N/A
Toxicity to Fish Species:	N/A
Toxicity to Aquatic Invertebrates:	N/A
Persistence and degradability:	N/A

[Back to Top](#)**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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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.

[Back to Top](#)**SECTION 15: REGULATORY INFORMATION**

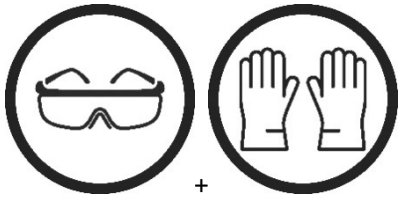
HAZARD RATING INFORMATION 4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant	HMIS	
	2	Health
	0	Flammability
	0	Reactivity

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SECTION 15: REGULATORY INFORMATION			
	<table border="1" style="margin: auto;"> <tr> <td style="padding: 2px;">B</td> <td style="padding: 2px;">Personal protection</td> </tr> </table> <p style="text-align: center;">B = Safety glasses + Gloves</p>	B	Personal protection
B	Personal protection		
HMIS Protection Group B			
<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
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

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SECTION 16: OTHER INFORMATION	
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.