

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification
 841
PREMIUM STAINLESS STEEL CLEANER
 09-MAY-2007
QUALITY CHEM PRODUCTS, INC.
AMATEL, CA 92806 United States
 General Assistance 630-593-7600
 866-636-8855
 952-857-4646

2. Hazards Identification
Aerosol, FLAMMABLE
CONTENTS UNDER PRESSURE.
 Irritating to eyes.
 Prolonged exposure may cause chronic effects.
 This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

OSHA regulatory status
potential health effects
 Eyes
 Skin
Inhalation
Ingestion
Target organs
Chronic effects
 Contact may irritate or burn eyes. Eye contact may result in corneal injury. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Prolonged inhalation may be harmful. Exposure by ingestion of an aerosol is unlikely. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause delayed lung damage. Central nervous system. Respiratory system. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination), weakness, fatigue, mental confusion, and blurred vision) and/or damage. May cause delayed lung damage. Discomfort in the chest. Corneal damage. Narcosis. Conjunctivitis. Defatting of the skin. Irritation.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Propane	74-98-6	10 - 15
Acetone	67-64-1	10 - 15
Methyl Acetate	79-20-9	8 - 10

4. First Aid Measures
Eye contact
 Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin contact
 Wash off with warm water and soap. Get medical attention if irritation develops or persists.
Inhalation
 Move to fresh air. Call a physician if symptoms develop or persist.
Ingestion
 Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Symptoms may be delayed.

Notes to physician
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General advice

Call a physician if symptoms develop or persist.

5. Fire Fighting Measures
Flammable properties
 Containers may explode when heated. Vapor or gas may spread to distant ignition sources and flash back.
Extinguishing media
 Suitable extinguishing media
 Water fog, Alcohol foam, Dry chemical, Carbon dioxide (CO2).
 Unsuitable extinguishing media
 Do not use a solid water stream as it may scatter and spread fire.
Protection of firefighters
 Protective equipment and precautions for firefighters
 In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus; protective clothing and face mask. Containers should be cooled with water to prevent vapor pressure build up; for massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

6. Accidental Release Measures
Personal precautions
 Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Keep unnecessary personnel away.
Methods for containment
 Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can, do so without risk. Move the cylinder to a safe and open area if the leak is irreparable.
Methods for cleaning up
 Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

7. Handling and Storage
Handling
 Pressurized container. Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of ignition. Do not use if spray button is missing or defective. Use only with adequate ventilation. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure.
Storage
 Level 3 Aerosol.
 Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Avoid exposure to long periods of sunlight. Keep in an area equipped with sprinklers. Keep out of the reach of children. Use care in handling/storage.

8. Exposure Controls / Personal Protection

Exposure limits	Components	CAS #	TWA	STEL	Ceiling
ACGIH	Propane	74-98-6	1000 ppm	Not established	Not established
	Acetone	67-64-1	500 ppm	750 ppm	Not established
	Methyl Acetate	79-20-9	200 ppm	250 ppm	Not established
OSHA	Propane	74-98-6	1000 ppm	Not established	Ceiling
	Acetone	67-64-1	1000 ppm	Not established	Not established
	Methyl Acetate	79-20-9	200 ppm	Not established	Not established

Engineering controls
 Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
Personal protective equipment
Eye / face protection
 Wear chemical goggles.

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Skin protection
Wear appropriate chemical resistant gloves.

Respiratory protection
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations
When using do not smoke. Avoid contact with eyes. Avoid contact with skin. Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties	
Appearance	Not available
Color	Colorless.
Odor	solvent fruity
Physical state	Liquid.
Form	Aerosol.
Flammability (HOC)	37.56 kJ/g estimated
Flammability limits in air, upper, % by volume	Not available
Flammability limits in air, lower, % by volume	Not available
Flash back	No
Pressure	46 - 56 psig @ 70F
Solubility	Negligible
Flash point	87.8 °F (31.1 °C) estimated
Boiling point	321.8 °F (161.1 °C) estimated
Specific gravity	0.7474 estimated
pH (Concentrate)	Not applicable

10. Chemical Stability & Reactivity Information

Chemical stability
Risk of ignition. Stable at normal conditions.

Conditions to avoid
Heat, flames and sparks.

Incompatible materials
This product is incompatible with nitrates.

Hazardous decomposition products
May include oxides of nitrogen.

11. Toxicological Information

Acute effects
Acute LD50: 4624 mg/kg estimated, Rat, Oral
Acute LC50: 23 mg/l/4h estimated, Rat, Inhalation
Acute LD50: 5617 mg/kg estimated, Rabbit, Dermal
Not expected to be hazardous by OSHA criteria.

Sensitization
Contact may irritate or burn eyes. Components of the product may be absorbed into the body through the skin.

Local effects
Hazardous by OSHA criteria. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged or repeated exposure may cause lung injury. Prolonged exposure may cause chronic effects.

Chronic effects
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Hazardous by OSHA criteria.

Cardinogenicity
Hazardous by OSHA criteria.

Neurological effects
Not expected to be hazardous by OSHA criteria.

Mutagenicity
Not expected to be hazardous by OSHA criteria.

Reproductive effects
Not expected to be hazardous by OSHA criteria.

Teratogenicity
Not expected to be hazardous by OSHA criteria.

Epidemiology
Hazardous by OSHA criteria.

Further information
Symptoms may be delayed.

12. Ecological Information

Ecotoxicity
LC50 195 mg/L estimated, Fish, 96.00 Hours,
EC50 5064 mg/L estimated, Daphnia, 48.00 Hours,
IC50 1305 mg/L estimated, Algae, 72.00 Hours,
Components of this product have been identified as having potential environmental concerns.

13. Disposal Considerations

Waste codes
D001: Waste Flammable material with a flash point < 140 F

Disposal instructions
Contents under pressure. Indicate the material under controlled conditions in an approved indicator. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.

14. Transport Information

Department of Transportation (DOT) Requirements

Basic shipping requirements:
Consumer commodity
ORH-D
None

Hazard class
None

Subsidiary hazard class
156, 306

Additional information:
156, 306

Packaging exceptions
None

Packaging non bulk
None

Packaging bulk
None

15. Regulatory Information

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Occupational Safety and Health Administration (OSHA)
29 CFR 1910.1200 hazardous chemical
Yes

CERCLA (Superfund) reportable quantity
Acetone: 5000.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - Yes
Reactivity Hazard - No

Section 302 extremely hazardous substance
No

Section 311 hazardous chemical
Yes

Inventory status
Inventory name
Inventory of Existing Chemical Substances in China (IECS)
European Inventory of New and Existing Chemicals (EINECS)
European List of Notified Chemical Substances (ELNCS)
Inventory of Existing and New Chemical Substances (ENCS)
Existing Chemicals List (ECL)
United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory
A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations
U.S. - Pennsylvania - RTK (Right to Know) List
Acetone 67-64-1 Environmental hazard
Methyl Acetate 79-20-9 Present
Propane 74-98-6 Present