



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product number** 840  
**Product name** **Stainless Steel Polish & Cleaner**  
**Effective date** 05-Nov-2007  
**Company information** Claire Manufacturing  
500 Vista Ave.  
Addison, IL 60101 United States  
**Company phone** General Assistance 630-543-7600  
**Emergency telephone US** 800-424-9300  
**Emergency telephone outside US** 703-527-3887  
**Supersedes date** 17-Sep-2007

## 2. Hazards Identification

**Emergency overview** Aerosol. FLAMMABLE  
CONTENTS UNDER PRESSURE.  
Irritating to eyes.  
  
Prolonged exposure may cause chronic effects.

**OSHA regulatory status** This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

**Potential health effects**

**Eyes** Contact may irritate or burn eyes. Eye contact may result in corneal injury.

**Skin** Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**Inhalation** Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Prolonged inhalation may be harmful.

**Ingestion** Exposure by ingestion of an aerosol is unlikely. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause delayed lung damage.

**Target organs** Central nervous system. Respiratory system.

**Chronic effects** 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.

**Signs and symptoms** 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
Non-hazardous and other components below reportable levels		60 - 80

## 4. First Aid Measures

**First aid procedures**

**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.

Notes to physician

Symptoms may be delayed.

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 (CO<sub>2</sub>).

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

ACGIH

Components

CAS #

TWA

STEL

Ceiling

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

Components

CAS #

TWA

STEL

Ceiling

Propane

74-98-6

1000 ppm

Not established

Not established

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.

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

<b>Appearance</b>	Not available
<b>Color</b>	Colorless.
<b>Odor</b>	solvent fruity
<b>Physical state</b>	Liquid.
<b>Form</b>	Aerosol.
<b>Flammability (HOC)</b>	37.56 kJ/g estimated
<b>Flash back</b>	No
<b>Pressure</b>	46 - 56 psig @ 70F
<b>Solubility</b>	Negligible
<b>Flash point</b>	-156 °F (-104.4 °C) estimated
<b>Boiling point</b>	321.8 °F (161.1 °C) estimated
<b>Specific gravity</b>	0.7474 estimated
<b>pH</b>	Not Applicable

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Risk of ignition. Stable at normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	This product is incompatible with nitrates.
<b>Hazardous decomposition products</b>	May include oxides of nitrogen.

## 11. Toxicological Information

<b>Acute effects</b>	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
<b>Sensitization</b>	Not expected to be hazardous by OSHA criteria.
<b>Local effects</b>	Contact may irritate or burn eyes. Components of the product may be absorbed into the body through the skin.
<b>Chronic effects</b>	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.
<b>Neurological effects</b>	Hazardous by OSHA criteria.
<b>Mutagenicity</b>	Not expected to be hazardous by OSHA criteria.
<b>Reproductive effects</b>	Not expected to be hazardous by OSHA criteria.
<b>Teratogenicity</b>	Not expected to be hazardous by OSHA criteria.
<b>Epidemiology</b>	Hazardous by OSHA criteria.
<b>Further information</b>	Symptoms may be delayed.

## 12. Ecological Information

<b>Ecotoxicity</b>	LC50 195 mg/L, Fish, 96.00 Hours, EC50 5064 mg/L, Daphnia, 48.00 Hours, IC50 1305 mg/L, Algae, 72.00 Hours, Components of this product have been identified as having potential environmental concerns.
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## 13. Disposal Considerations

<b>Waste codes</b>	D001: Waste Flammable material with a flash point <140 F
<b>Disposal instructions</b>	Contents under pressure. Incinerate the material under controlled conditions in an approved incinerator. 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:

Proper shipping name	Consumer commodity
Hazard class	ORM-D
Subsidiary hazard class	None
Additional information:	
Packaging exceptions	156, 306
Packaging non bulk	156, 306
Packaging bulk	None

### IMDG

#### Basic shipping requirements:

Proper shipping name	AEROSOLS, flammable
Hazard class	2.1
UN number	1950
Additional information:	
Packaging exceptions	LTD QTY
Item	5F
Labels required	2.1
Transport Category	2



### IATA

#### Basic shipping requirements:

Proper shipping name	Aerosols, flammable
Hazard class	2.1
UN number	1950
Additional information:	
Packaging exceptions	LTD QTY



## 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**

Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

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

**16. Other Information****HMIS® ratings**

Health: 1\*  
Flammability: 3  
Physical hazard: 0  
Personal protection: X

**Prepared by**

Regulatory Compliance

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Issue date**

05-Nov-2007