



# Material Safety Data Sheet

Revision Date 08-Mar-2011

## 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product code** P91495  
**Product name** Corro-Clean  
**Recommended Use** Cleaner  
**Supplier** Lawson Products, Inc.  
1666 East Touhy Avenue  
Des Plaines, IL 60018  
(847)-827-9666  
**Emergency telephone number** (888) 426-4851

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Vapors extremely irritating to eyes and respiratory tract. Vapors may cause flash fire or explosion.

### Aggravated Medical Conditions

None Known

### Principal Routes of Exposure

Skin contact. Skin absorption. Inhalation. Eyes.

### Potential health effects

**Eyes** Exposure to vapors may cause the following effects: Irritation. Reddening. Burning sensation.

**Skin** Repeated or prolonged exposure may cause: Skin Irritation. Redness. Itching. Burning sensation.

**Inhalation** Exposure to vapors may cause the following effects. Irritating to respiratory system. Headaches. Dizziness. Nausea. Loss of coordination. Extreme overexposure may cause. Central nervous system depression. Possible unconsciousness. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

**Ingestion** Not likely to occur.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Propane	74-98-6	1-5
Butane	106-97-8	5-10

## 4. FIRST AID MEASURES

**Eye contact** Flush with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

**Skin contact** Flush skin with water. Remove and wash contaminated clothing before re-use. Seek medical attention immediately.

**Ingestion** Do not induce vomiting. Call a physician or Poison Control Center immediately.

**Inhalation** Remove to fresh air. Restore breathing. Keep warm and quiet.

## 5. FIRE FIGHTING MEASURES

**Flash point °C** < -17.78  
**Flash point °F** < 0  
**Method** No information available

**Autoignition temperature °C** No data available  
**Autoignition temperature °F** No data available

**Flammability Limits (% in Air)**  
**Upper** 9.5  
**Lower** 1.9

### Suitable extinguishing media

Carbon dioxide (CO2). Dry chemical. Alcohol foam.

### Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### Fire and Explosion Hazards

Containers may vent or burst under extreme or prolonged fire conditions. Flash back possible over considerable distance. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

### Sensitivity to shock

No information available.

### Sensitivity to static discharge

No information available.

## 6. ACCIDENTAL RELEASE MEASURES

### Methods for cleaning up

Eliminate all sources of ignition. Ventilate area to maintain exposure below permissible exposure limits. Soak up with inert absorbent material. Dispose of absorbent in accordance with local, state and federal regulations.

## 7. HANDLING AND STORAGE

### Handling

Keep away from open flames, hot surfaces and sources of ignition. Vapors may accumulate readily and may ignite explosively. Ensure adequate ventilation. Do not smoke. Turn off other sources of ignition prior to use and until all vapors have dissipated. Do not puncture or incinerate. Do not take internally. Keep out of reach of children. Check to make sure that all equipment is properly grounded and installed to satisfy electrical classification requirements. Standard safety precautions should be observed when handling this material.

### Storage

Containers exposed to extreme heat may burst. Keep away from heat and sources of ignition. Store in temperatures below 120 degrees F.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Butane	800 ppm	-	1000 ppm	-
Propane	1000 ppm 1800 mg/m <sup>3</sup>	-	1000 ppm	-

### Ventilation and Environmental Controls

Use enough ventilation, local exhaust at the work area, general, or both, to keep below the TLV's in the worker's breathing zone and the general area. Use in a well ventilated area.

### Hygiene measures

Wash hands before eating or using the washroom. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing.

### Respiratory protection

Wear a respirator or gas mask with appropriate NIOSH approved cartridge or canister, or supplied air equipment, if airborne concentration limits are exceeded. Protection provided by air purifying respirators is limited. Use a positive pressure supplied air respirator, if there is any potential for an uncontrolled release, where exposure levels are not known, or other circumstances where an air purifying respirator (P100) may not provide adequate protection.

### Hand Protection

Chemical resistant gloves. For prolonged or repeated skin contact, use a chemically resistant glove such as nitrile or neoprene. Wash hands with soap and water after removing gloves. Dry hands thoroughly before re-applying gloves.

### Eye protection

Use safety eyewear designed to protect against impact.

### Skin and body protection

Wear appropriate clothing to minimize skin contact. Rubber or plastic boots.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Colorless
Odor	Amine-like
Odor Threshold	No information available
pH	7.0
Specific Gravity	0.96
Vapor pressure	No data available
Vapor density	>Air
Evaporation Rate	>1 (Ether =1)
Water solubility	No data available
VOC Content	9.86%; 7.94 lb/gal; 951 g/l
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	< -18 - 100
Boiling point/range °F	< 0 - 213
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	< -17.78
Flash point °F	< 0

## 10. STABILITY AND REACTIVITY

### Stability

Stable under recommended storage conditions.

### Conditions to avoid

None known.

**Incompatibility**

None known.

**Hazardous Decomposition Products**

Carbon dioxide. Carbon monoxide.

**Polymerization**

Will not occur.

**11. TOXICOLOGICAL INFORMATION****Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Butane 106-97-8	-	-	658 mg/L
Propane 74-98-6	-	-	658 mg/L

**Synergistic Products** None known**Potential health effects****Sensitization** None known**Chronic toxicity** See Section 2 .**Mutagenic effects** None known**Teratogenic effects** None known**Reproductive toxicity** None known**Target Organ Effects** May cause damage to lungs. May cause damage to kidneys. May cause damage to liver.**Carcinogenic effects** See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

**12. ECOLOGICAL INFORMATION****13. DISPOSAL CONSIDERATIONS****Disposal Information**

As supplied, this product is a RCRA Hazardous Waste . Waste must be tested for ignitability to determine EPA hazardous waste numbers. Do not puncture or incinerate. Dispose in accordance with federal, state, and local regulations.

**14. TRANSPORTATION INFORMATION****DOT**

UN1950 Aerosols, flammable, 2.1

*Exception:* (Compressed Gas not more than 1.0L) Consumer Commodity ORM-D**TDG**

Consumer commodity &lt;1L

**15. REGULATORY INFORMATION****US EPA SARA 313****State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Butane	Listed	Listed	Not Listed
Propane	Listed	Listed	Not Listed

**International Inventories**

Chemical Name	EINECS	DSL	NDSL	TSCA
Butane	X	X	-	X
Propane	X	X	-	X

**CPR**

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

**16. OTHER INFORMATION****HMIS**

**Health** - 1  
**Flammability** - 2  
**Physical Hazard** - 0

**Prepared By**

H. Buck, Regulatory Affairs Manager

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.