



## Safety Data Sheet

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Revised 04-FEB-2015

### Siroflex Gun Cleaner

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#### CHEMICAL PRODUCT/COMPANY IDENTIFICATION

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##### Material Identification

PRODUCT NAME ..... Siroflex Gun Cleaner  
PRODUCT USE ..... Gun Cleaner

##### Company Identification

##### MANUFACTURER/DISTRIBUTOR

Siroflex Incorporated  
PO Box 26749  
Greenville, SC 29616-1749

##### PHONE NUMBERS

Product Information/Emergency: 1-800-359-6398 1-864-458-9094  
Fax: 1-864-458-9092  
Website: [www.siroflexinc.com](http://www.siroflexinc.com)  
Email: [info@siroflexinc.com](mailto:info@siroflexinc.com)

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#### #HAZARDS IDENTIFICATION

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Signal Word: Danger

Flammable aerosol.

Causes serious eye irritations.

**Potential Health Effects:**

EYE: Contact will cause irritation and redness.

SKIN: Contact may cause irritation, redness and drying and cracking of skin.

INGESTION: Toxic if large quantities swallowed.

INHALATION: Irritation of the nose, throat, and lungs may result from over-exposure to vapors.

CHRONIC (CANCER) INFORMATION: Not carcinogenic.

LONG TERM TOXIC EFFECTS: None known.

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## COMPOSITION/INFORMATION ON INGREDIENTS

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<b>HAZARDOUS COMPONENTS:</b>	<b>%</b>	<b>CAS Reg. #</b>
Poly(methylene phenylene isocyanate}	25-50	9016-87-9
Medium chain chlorinated paraffins (MCCP)	2.5-10	85535-85-9
Dimethyl ether	2.5-10	115-10-6
Isobutane	2.5-10	75-28-5
Propane	2.5-10	74-98-6

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## FIRST AID MEASURES

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First Aid

INHALATION: Remove to fresh air.

SKIN CONTACT: Wash thoroughly. Remove contaminated clothing.

EYE CONTACT: Irrigate eyes with running water for at least 15 minutes. Get medical attention if irritation develops.

INGESTION: Do not induce vomiting. Get medical attention.

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## FIRE FIGHTING MEASURES

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**FLASH POINT F° (C°):** Not applicable as aerosol.

**EXTINGUISHING MEDIA:** Foam, fire extinguishing powder, carbon dioxide.

**SPECIAL FIRE FIGHTING PROCEDURES / UNUSUAL FIRE OR EXPLOSION HAZARDS:**

Firefighters should wear self contained breathing apparatus and full protective gear. Can form explosive gas/air mixtures. Cool endangered containers with water spray.

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## ACCIDENTAL RELEASE MEASURES

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Wear protective equipment. Ensure adequate ventilation. Keep away from ignition sources. Do not allow to enter sewers/surface or ground water. Absorb with liquid binding material such as sand or sawdust.

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## HANDLING AND STORAGE

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**Precautions for safe handling:** Ensure good ventilation/exhaustion at the work- place. Open and handle receptacle with care. Do not eat, drink or smoke when using this product. Prevent formation of aerosols.

**Information about fire - and explosion protection:** Keep ignition sources away  
 – Do not smoke. Protect against electrostatic charges. Do not spray onto a naked flame or any incandescent material. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

**Requirements to be met by storerooms and receptacles:** Store in a cool location under dry conditions. Store only in the original receptacle. Observe official regulations on storing packagings with pressurized containers.

**Information about storage in one common storage facility:** Do not store together with oxidizing and selfigniting materials.

**Further information about storage conditions:** Protect from heat and direct sun- light. Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

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## EXPOSURE CONTROLS/PERSONAL PROTECTION

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EYE PROTECTION REQUIREMENTS:..... Safety glasses/goggles.

SKIN PROTECTION REQUIREMENTS: ... Gloves.

RESPIRATOR REQUIREMENTS: ..... Use if above OSHA PEL.

VENTILATION REQUIREMENTS:..... Use if above OSHA PEL.

### Exposure Guidelines

#### DIMETHYLETHER

PEL (OSHA): not established

TLV (ACGIH): not established

#### ISOBUTANE

REL (OSHA): 800 ppm,

#### PROPANE

PEL (OSHA): 1000 ppm, 8 Hr. TWA

TLV (ACGIH): 1000 ppm, 8 Hr. TWA

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## PHYSICAL AND CHEMICAL PROPERTIES

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<b>Form</b>	Aerosol
<b>Color</b>	Colored.
<b>Odor</b>	Characteristic.
<b>Flash point</b>	< 100 °C
<b>Ignition temperature</b>	235 °C
<b>Self-igniting</b>	Product is not self igniting.
<b>Danger of explosion</b>	Not explosive but formation of explosive air/vapor mixtures are possible

<b>Lower explosion limit</b>	3.0 %
<b>Upper explosion limit</b>	16.0 %
<b>Vapor pressure (20 °C)</b>	5.5 bar
<b>Density (20 °C)</b>	1.0 g/cm <sup>3</sup>

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## STABILITY AND REACTIVITY

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**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**Possibility of hazardous reactions:** Forms explosive gas mixture with air. Danger of bursting.

**Conditions to avoid:** Keep away from ignition sources, fire, and heating.

**Incompatible materials:** Acids, bases, and oxidants. Amines and alcohols. Polyols and water.

**Hazardous decomposition products:** Hydrogen cyanide (prussic acid). Hydrogen chloride (HCl). Carbon monoxide and carbon dioxide. Nitrogen oxides (NO<sub>x</sub>)

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## TOXICOLOGICAL INFORMATION

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### 9016-87-9 diphenylmethanediisocyanate, isomers and homologues

Oral	LD <sub>50</sub>	> 5000 mg/kg (rat)
Dermal	LD <sub>50</sub>	> 5000 mg/kg (rabbit)
Inhalative	LC <sub>50/4h</sub>	0.49 mg/l (rat)

### 115-10-6 dimethyl ether

Inhalative	LC <sub>50/4h</sub>	308 mg/l (rat)
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**Primary irritant effect:** On the skin: Irritant to skin and mucous membranes. On the eye: Irritating effect.

**Sensitization:** Sensitization possible through inhalation or skin contact.

**Additional toxicological information:** The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful, Irritant.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** Limited evidence of a carcinogenic effect.

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## ECOLOGICAL INFORMATION

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**Persistence and degradability:** No further relevant information available.

**Bioaccumulative potential:** No further relevant information available. **Mobility in soil:**

No further relevant information available.

**Additional ecological information:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow product to reach ground water,

water course or sewage system, even in small quantities. Based on 48h screening tests on Daphnia Magna (water flea) and Desmo- desmus subspicatus (algae) short-term effects on aquatic life / environment can be excluded.

**Results of PBT and vPvB assessment:** Not applicable.

**Other adverse effects:** No further relevant information available.

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## DISPOSAL CONSIDERATIONS

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### Waste Disposal:

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

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## TRANSPORTATION INFORMATION

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### DOT

Proper Shipping Name : AEROSOLS, flammable  
Hazard Class : 2.1  
I.D. No. (UN/NA) : UN1950

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## REGULATORY INFORMATION

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### U.S. Federal Regulations

TSCA Inventory Status: Reported/included.

### Section 313 Supplier Notifications.

This product contains no toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

### Canadian Regulations:

DSL: Included  
WHMIS: WHMIS classification: B-5

### European Regulations:

EINECS: Ingredients included.

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## OTHER INFORMATION

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### Additional Information

NA = Not Applicable

NE = Not Established

# = Indicates updated section

### NPCA-HMIS Rating

Health : 1  
Flammability: 4  
Reactivity : 3

## NFPA Rating

Health : 1  
Flammability: 4  
Reactivity : 3

Personal Protection rating to be supplied by user depending on use conditions.

**STATE RIGHT-TO-KNOW LAWS**

No substances on the state hazardous substances list, for the states indicated below, are used in the manufacture of products on this Safety Data Sheet, with the exceptions indicated. While we do not specifically analyze these products, or the raw materials used in their manufacture, for substances on various state hazardous substances lists, to the best of our knowledge the products on this Safety Data Sheet contain no such substances except for those specifically listed below:

WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER:  
None known.

WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS  
OR OTHER REPRODUCTIVE HARM: None known.

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This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the data compiled. However, no representation, warranty, or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information.

**Responsibility for SDS :**

Siroflex Incorporated  
PO Box 26749  
Greenville, SC 29616-1749