

**STERLING-CLARK-LURTON CORP.  
 5F5 PAINT AND VARNISH REMOVER**

Page 1

**0500**

Sterling-Clark-Lurton Corp.  
 184 Commercial Street, Box J  
 Malden, MA 02148  
 Telephone: 781-322-0163  
 Toll Free: 800-225-4444  
 Fax: 781-322-3911

Date Prepared February 2, 2001  
 Product Number 0500  
 Medical Emergency Telephone Numbers  
 Mass Poison Info: 617-232-2120  
 Chemtrec 800-424-9300

**MATERIAL SAFETY DATA SHEET**

**A. IDENTIFICATION AND EMERGENCY INFORMATION**

Product Name:  
 5F5 Paint and Varnish Remover

Product Code:  
 0500

Chemical Name:  
 Not Applicable

Case Number  
 Mixture

Product Appearance and Odor  
 Clear to hazy liquid gel with an ether like odor

**B. COMPONENTS AND HAZARD INFORMATION**

The composition of this mixture may be proprietary information. In the event of a medical emergency, compositional information will be provided to a physician or nurse. This product is hazardous as defined in 29CFR1910.1200, based on the following compositional information

Components	Case No.	OSHA Hazard
Product	Mixture	
Toluene	108-88-3	Non Flammable
Methylene Chloride	75-09-2	PEL:TWA
Methanol	67-56-1	Poison
2-Butoxy Ethanol	111-76-2	

Hazardous Materials Identification System (HMIS)				Recommended by SCL
Health	Flammability	Reactivity	Basis	
3	1	0		

Hazard Rating Least - 0 Slight - 1 Moderate - 2  
 High - 3 Extreme - 4

Exposure Limit For Total Product	Basis	Units	Agency	Type
Product	Exposure Limit Mixture/Not Established			
Toluene	100 (375 mg/m3)	ppm	OSHA	TWA
	150 (560 mg/m3)	ppm	OSHA	STEL
	50	ppm	ACGIH	TWA (skin)
	150	ppm	ACGIH	STEL (skin)
Methylene Chloride	25	ppm	OSHA	TWA
	125	ppm	OSHA	STEL
	50	ppm	ACGIH	TLV
Methanol	200	ppm	OSHA	TWA (skin)
	250	ppm	OSHA	STEL (skin)
	200	ppm	ACGIH	TWA (skin)
	250	ppm	ACGIH	STEL (skin)
2-Butoxy Ethanol	25	ppm	OSHA	TLV (skin)
	20	ppm	ACGIH	TLV (skin)



STERLING-CLARK-LURTON CORP.  
5F5 PAINT AND VARNISH REMOVER

Page 3

0500

---

E. HEALTH AND HAZARD INFORMATION

---

**Variability Among Individuals**

Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks, which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

**Effects Of Overexposure (Signs And Symptoms Of Exposure)**

High vapor concentrations are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

**Nature of Hazard and Toxicity Information**

**WARNING:** Concentrated, prolonged or deliberate inhalation of this product may cause nervous system damage.

**Toxicology Data for Methylene Chloride:**

**SKIN** The dermal LD50 has not been determined.

**INGESTION:** The oral LD50 for rats is 1500-2500 mg/kg

**MUTAGENICITY (Effects on Genetic Material):** Negative or equivocal results have been obtained in mutagenicity tests with methylene chloride using mammalian cells or animals. This is consistent with the lack of interaction with DNA in rats and hamsters. Although results of Ames bacterial test have generally been positive, overall the data suggest that genotoxic potential does not appear to be a significant factor in the toxicity of methylene chloride.

Experience in industry has shown no increased incidences of cancer of any type in the worker population.

IARC lists this product as having inadequate evidence in humans and sufficient evidence in animals to evaluate carcinogenicity. (Group 2B)

Pre-existing medical conditions which may be aggravated by exposure

Persons with angina or other cardiovascular diseases should not be exposed to this product.

---

F. PHYSICAL DATA

---

The Following Data Are Approximate Or Typical Values And Should Not Be Used For Precise Design Purposes

Boiling Range	Vapor Pressure
Mixture/Not Established	Mixture/Not Established
Specific Gravity (15.6 c/15.6c)	Vapor Density (Air=1)
1.13	Heavier than air
Molecular Weight	Percent Volatile by Volume
N/A	98 %
PH	Evaporation Rate @ 1 ATM and 25 c (77 F)
7-9	(n-Butyl Acetate=1)
	Mixture/Not Established
Pour, Congealing Or Melting Point	Solubility in Water @ 1 ATM and 25 c (77 F)
N/A	Mixture/Not Established
Viscosity	
500-1000 cps	

---

G. REACTIVITY

---

This product is stable and will not react violently with water. Hazardous polymerization will not occur. Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, strong alkalis (such as alkali metals) open flames, and electrical arcs. This product should not be used in contact with aluminum or zinc or their alloys. Avoid open flames, welding arcs, or other high temperature sources which induce thermal decomposition to irritating and corrosive HCl from solvent vapor. Strong UV light (eg welding arc) can cause significant phosgene to be generated.

# STERLING-CLARK-LURTON CORP. SF5 PAINT AND VARNISH REMOVER

Page 4

0500

## H. ENVIRONMENTAL INFORMATION

### Steps To Be Taken In Case Material Is Released Or Spilled

Shut off and eliminate all ignition sources. Keep people away. Recover free product. Add sand, earth or other suitable absorbent to spill area. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas.

Assure conformity with applicable governmental regulations. Continue to observe precautions for volatile, combustible vapors from absorbed material. Handling equipment must be grounded to prevent sparking.

The Following Information May Be Useful In Complying With Various State And Federal Laws And Regulations Under Various Environmental Statutes:

### Reportable Quantity (RQ), EPA Regulations 40 CFR 302 (Cercla Section 102)

No RQ for product. RQ for product with	Toluene is	7,692 lbs.
	Methylene Chloride is	1,428 lbs.
	Methanol is	41,5000 lbs.

### Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 (Sara Sections 301 - 304)

No TPQ for product or any constituent greater than 1% or 0.1% (carcinogen)

### Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372 (Sara Section 313)

This product contains toluene, methylene chloride, and methanol.

### Hazardous Chemical Reporting, EPA Regulation 40 CFR 370 (Sara Sections 311-312)

	Acute Hazard	Chronic Hazard	Fire Hazard	Pressure Hazard	Reactive Hazard	Not Applicable
EPA Hazard Classification Code:	XXX	XX				

## I. PROTECTION AND PRECAUTIONS

### Ventilation

Use only with ventilation sufficient to prevent exceeding recommended exposure limit or build up of explosive concentrations of vapor in air. No smoking, flame or other ignition sources. Use explosion-proof ventilation as required to control particulate concentrations.

### Respiratory Protection

Use supplied-air respiratory protection in confined or enclosed spaces, if needed.

### Protective Gloves

Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.

### Eye Protection

Use splash goggles or face shield when eye contact may occur.

### Other Protective Equipment

Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing, which could result in prolonged or repeated skin contact.

### Work Practices/Engineering Controls

Keep containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants. To prevent fire or explosion risk from static accumulation and discharge, effectively ground product transfer system in accordance with the National Fire Protection Association standard for petroleum products.

In order to prevent fire or explosion hazards, use appropriate equipment.

Information on electrical equipment appropriate for use with this product may be found in the latest edition of the National Electrical Code (NFPA-70). This document is available from the National Fire Protection Association, Batterymarch Park, Quincy, Massachusetts 02269

### Personal Hygiene

Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry-clean before re-use. Remove contaminated shoes and thoroughly clean and dry before re-use. Cleanse skin thoroughly after contact before breaks and meals and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water. Eye wash fountains and safety showers should be available for emergency.

**STERLING-CLARK-LURTON CORP.  
5F5 PAINT AND VARNISH REMOVER**

Page 5

0500

---

**J. TRANSPORTATION AND OSHA RELATED LABEL INFORMATION**

---

**Transportation Incident Information**

For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Emergency Response Guidebook for Hazardous Materials Incidents, DOT 5800.3

**Dot Identification Number**

Not Regulated

**OSHA Required Label Information**

In compliance with hazard and right-to-know requirements, the following OSHA Hazard Warnings should be found on a label, bill of lading or invoice accompanying this shipment.

**DANGER!**

Note - Product label will contain additional non-OSHA-related information.

The information and recommendations contained herein are to the best of SCL knowledge and belief, accurate and reliable as of the date issued. SCL does not warrant or guarantee their accuracy or reliability, and SCL shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. If buyer repackages this product, legal council should be consulted to insure proper health, safety and other necessary information is included on the container.

The environmental information included under section H hereof as well as the hazardous materials identification system (HMIS) and National Fire Protection Association (NFPA) ratings have been included by SCL, U.S.A. in order to provide additional health and hazard classification information. The ratings recommended are based upon the criteria supplied by the developers of these rating systems, together with SCL interpretation of the available data.