

SCL STERLING

Date Prepared: 9/8/2005

SCL BRUSH CLEANER

MSDS Code: 1110N

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: SCL BRUSH CLEANER  
SAVOGRAN COMPANY  
PO BOX 130  
NORWOOD, MA 02062-0130  
(781) 762-5400

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Component/Exposure Limits	CAS#	% by Wt.
TOLUENE	108-88-3	65% - 70%
ACGIH 50 ppm TWA-SKIN/150 ppm STEL-SKIN,A4		
OSHA 200 ppm TWA/300 ppm CEILING		
ACETONE	67-64-1	15% - 20%
ACGIH 500 ppm TWA/750 ppm STEL, A4		
OSHA 1000 ppm TWA		
ETHANOL	64-17-5	10% - 15%
ACGIH/OSHA 1000 ppm TWA		
METHANOL	67-56-1	0% - 5%
ACGIH (SKIN)/OSHA 200 ppm TWA		
ACGIH 250 ppm STEL-SKIN		
ALCOHOLS, C9-11, ETHOXYLATED	68439-46-3	0% - 5%
EXPOSURE GUIDELINES NOT ESTABLISHED		

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW:**

Appearance & Odor: Light colored liquid. Hydrocarbon odor.

Health Hazards: May causes eye and skin irritation.

Physical Hazards: EXTREMELY FLAMMABLE LIQUID AND VAPOR. Vapor may cause flash fire.

**Potential Health Effects****EYE:**

May cause eye irritation. Symptoms include stinging, tearing, and redness.

**SKIN:**

May cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying, and cracking of skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

**INGESTION:**

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

**INHALATION:**

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Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits(See Section 2).

**CHRONIC (CANCER) INFORMATION:**

This material is not expected to cause cancer in humans. The ingredients in this material are not listed as a carcinogen by IARC, NTP or OSHA.

**DEVELOPMENTAL INFORMATION:**

Toluene may be harmful to the human fetus based on positive test results with laboratory animals. Case studies show that prolonged intentional abuse of toluene during pregnancy can cause birth defects in humans.

**TARGET ORGAN EFFECTS:**

Prolonged intentional toluene abuse may lead to damage to many organ systems having effects on: central and peripheral nervous systems, vision, hearing, liver, kidneys, heart and blood. Such abuse has been associated with brain damage characterized by disturbances in gait, personality changes and loss of memory. Comparable central nervous system effects have not been shown to result from occupational exposure to toluene. Overexposure to toluene has been suggested as a cause of the following effects in humans: cardiac sensitization and kidney damage.

**PRIMARY ROUTES OF ENTRY:**

Inhalation, Skin absorption, Skin contact, Eye contact, Ingestion.

**MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:**

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

**SYMPTOMS OF EXPOSURE:**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset(nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).

**4. FIRST AID MEASURES**

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**EYES:**

Rinse with water for 15 minutes. If irritation persists seek medical attention.

**SKIN:**

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

**INGESTION:**

DO NOT induce vomiting. SEEK IMMEDIATE MEDICAL ATTENTION.

**INHALATION:**

If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention.

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**NOTE TO PHYSICIANS:**

Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

**5. FIRE FIGHTING MEASURES**

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**FLAMMABLE PROPERTIES:**

FLASH POINT (F): -4.0                      Method: TCC

FLAMMABLE LIMITS:

Lower flammable limit: 1.4  
Upper flammable limit: 36.0

**AUTOIGNITION TEMPERATURE:**

NO DATA

**HAZARDOUS COMBUSTION PRODUCTS:**

May form carbon dioxide and carbon monoxide, various hydrocarbons.

**FIRE AND EXPLOSION HAZARDS:**

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

**EXTINGUISHING MEDIA:**

Regular foam, carbon dioxide, dry chemical.

**FIREFIGHTING INSTRUCTIONS:**

Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

**6. ACCIDENTAL RELEASE MEASURES**

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**SMALL SPILL:**

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

**LARGE SPILL:**

Eliminate all ignition sources (flares, flames including pilot lights electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Prevent run-off to sewers, streams or other bodies of water. If

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run-off occurs, notify proper authorities as required, that spill has occurred.

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## 7. HANDLING AND STORAGE

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### HANDLING:

Do not breathe material. Keep container closed. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor and liquid), all hazard precautions given in the data sheet must be observed. All five-gallon pails and larger metal containers should be grounded and/or bonded when material is transferred.

### STORAGE:

Keep away from heat. Keep away from sources of ignition. Keep container tightly closed in a cool, well-ventilated place. Keep out of reach of children.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### ENGINEERING CONTROLS:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

### RESPIRATORY PROTECTION:

FOR KNOWN VAPOR CONCENTRATIONS ABOVE THE OCCUPATIONAL EXPOSURE GUIDELINES, USE A NIOSH APPROVED ORGANIC VAPOR RESPIRATOR.

### SKIN PROTECTION:

Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

### EYE PROTECTION:

CHEMICAL GOGGLES OR SAFETY GLASSES WITH SIDE SHIELD.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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BOILING POINT: 133.0  
VAPOR PRESSURE: NO DATA  
VAPOR DENSITY: HEAVIER THAN AIR  
SOLUBILITY IN WATER: MODERATE  
SPECIFIC GRAVITY: .851  
pH: N/A  
ODOR: Hydrocarbon odor  
APPEARANCE: Colorless liquid

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## 10. STABILITY AND REACTIVITY

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### CHEMICAL STABILITY (CONDITIONS TO AVOID):

STABLE

### INCOMPATIBILITY:

Avoid contact with strong oxidizing agents.

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**HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon dioxide and carbon monoxide, various hydrocarbons.

**HAZARDOUS POLYMERIZATION:**

WILL NOT OCCUR.

**11. TOXICOLOGICAL INFORMATION**

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NO DATA

**12. ECOLOGICAL INFORMATION**

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NO DATA

**13. DISPOSAL CONSIDERATIONS**

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MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**14. TRANSPORT INFORMATION(Not meant to be all inclusive)**

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Gallon or smaller, Consumer Commodity ORM-D

**15. REGULATORY INFORMATION(Not meant to be all inclusive)**

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U.S. FEDERAL REGULATIONS:

TSCA: The intentional ingredients of this product are listed.

SECTION 312: Immediate/Fire

SECTION 313: Toluene/Methanol

STATE REGULATIONS:

New Jersey RTK Label Information: Toluene, 108-88-3, Acetone, 67-64-1, Ethanol, 64-17-5, Methanol, 67-56-1, Ethoxylated Alcohol, 68439-46-3.

Pennsylvania RTK Label Information: Benzene, Methyl-, 108-88-3, Acetone, 67-64-1, Ethanol, 64-17-5, Methanol, 67-56-1, Ethoxylated Alcohol, 68439-46-3.

VOLATILE ORGANIC COMPOUNDS: 100%

**16. OTHER INFORMATION**

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HMIS RATING (Health, Fire, Physical, PP): 2,3,0,B

JUDGEMENT OF POTENTIAL HAZARDS OF THIS PRODUCT IS BASED ON INFORMATION AVAILABLE ABOUT INDIVIDUAL COMPONENTS LISTED UNDER SECTION 2 - INGREDIENTS. DIRECT TESTING OF MIXTURE HAS NOT BEEN DONE. INFORMATION GIVEN HEREIN IS BELIEVED TO BE

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