

SAVOGRAN COMPANY

Date Prepared: 10/4/2007

SI NO.2

MSDS Code: 3003N

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: SI NO.2  
SAVOGRAN COMPANY  
PO BOX 130  
NORWOOD, MA 02062-0130  
(781) 762-5400

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Component/Exposure Limits	CAS#	% by Wt.
* DICHLOROMETHANE OSHA 25 ppm TWA/125 ppm STEL ACGIH 50 ppm TWA, A3	75-09-2	75% - 80%
* METHANOL ACGIH (SKIN)/OSHA 200 ppm TWA ACGIH 250 ppm STEL-SKIN	67-56-1	10% - 15%
OXALIC ACID DIHYDRATE ACGIH/OSHA 1 mg/m3 TWA ACGIH 2 mg/m3 STEL	144-62-7	0% - 5%
* TOLUENE ACGIH 20 ppm TWA, A4 OSHA 200 ppm TWA/300 ppm CEILING	108-88-3	0% - 5%
PARAFFIN WAX ACGIH 2 mg/m3 TWA (fume)	8002-74-2	0% - 5%

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

Thick liquid. Aromatic odor.

Health Hazards: May cause eye and skin irritation.

Physical Hazards: Toxic fumes are released in fire situations.

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

Eye contact can cause severe irritation, redness, tearing, blurred vision and may cause transient injury to cornea.

**SKIN:**

Short contact may cause slight reddening or no irritation. Prolonged or frequently repeated contact can cause irritation, defatting, dermatitis and may result in absorption of harmful amounts. Some ingredients in this product may be absorbed through intact skin and produce toxic effects similar to swallowing.

**INGESTION:**

Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Ingestion can cause blindness, nausea, vomiting, diarrhea, gastrointestinal irritation and death.

**INHALATION:**

Inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, headache, nausea, unconsciousness and asphyxiation.

**CHRONIC (CANCER) INFORMATION:**

Intentional misuse by deliberately concentrating and inhaling the product may be harmful or fatal. Reports have associated repeated and prolonged overexposure to solvents with permanent brain, nervous system, liver and kidney damage. For hazard communication purposes under OSHA standard 29 CFR part 1910.1200, methylene chloride has been shown to increase the rate of spontaneously occurring malignant tumors in one strain of laboratory mouse and benign tumors in laboratory rats. Other animal studies and human epidemiology studies have not shown a tumorigenic response which could be related to methylene chloride. Excessive exposure may cause carboxyhemoglobinemia and impair blood's ability to transport oxygen. It is believed that Savogran products are safe for the average healthy individual to use when as recommended.

Carcinogenicity: NTP: Yes            IARC Monographs: Yes            OSHA Regulated: No

**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:**

Persons thought to have heart or respiratory problems should seek medical advice before using solvents of any kind. If signs of allergy develop (breathing difficulty, eye itching, prolonged itching or redness of the skin, headaches, dizziness, etc.) discontinue use of product immediately and consult a physician. Caution: Drinking alcohol shortly before, during or after exposure to some solvents may cause undesirable effects.

**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:**

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Flood with plenty of water with eye lids held open for at least 15 minutes and get medical attention promptly.

**SKIN:**

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

**INGESTION:**

Immediately give 1 or 2 glasses of water and call physician, hospital emergency room or poison control center for way to induce vomiting. Get medical attention promptly. Never give anything by mouth to an unconscious person. Aspiration of material into lungs can cause chemical pneumotitis which can be fatal.

**INHALATION:**

If illness occurs, remove patient to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, start artificial respiration. Call physician immediately.

**NOTE TO PHYSICIANS:**

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): NONE

Method: SETAFLASH CLOSED CUP

FLAMMABLE LIMITS:

Lower flammable limit: NO DATA

Upper flammable limit: NO DATA

**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 surface, collect in low areas and may be moved by ventilation at locations far removed from handling location. Do not smoke or permit others to do so. This product contains methylene chloride. In contact with open flames, welding arcs or other high temperature sources, this product will decompose and form products which may destroy metals such as overhead gas fire heaters and may produce gases which are poisonous.

**EXTINGUISHING MEDIA:**

Water fog, regular foam, carbon dioxide or dry chemical.

**FIREFIGHTING INSTRUCTIONS:**

Wear self-contained breathing apparatus with full face piece operated in pressure-demand or other positive pressure mode. Straight water steam will

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spread fire.

## **6. ACCIDENTAL RELEASE MEASURES**

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### **SMALL SPILL:**

Wipe or scrape up any material. Wash area thoroughly with detergent and water; ventilate adequately with good fresh air movement at floor level.

### **LARGE SPILL:**

Wear proper protective equipment. Stop spill at source, dike area of spill to keep from spreading and keep out of ground water and streams. Transfer material to metal containers. Absorb remainder with sand, clay, earth, floor absorbent or other material and shovel into containers. Then wash area thoroughly with water and detergent. Ventilate adequately with good fresh air movement at floor level. Do not restart pilot lights or operate electrical devices or other sources of sparks, flames or heat until all vapors (odors) are gone.

## **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:**

Store in cool place, out of hot sun and below 90F. All containers are subject to damage in storage and transit. Damaged containers may start leaking immediately or at a later time. Do not store in areas with widely fluctuating temperatures and do not store where vapors may come in contact with flames, sparks, or heat. Do not store in below ground areas that cannot be adequately ventilated at floor level. Do not use cutting or welding torches near full or empty containers. Closed containers may explode if exposed to extreme heat. Never use internal gas or air pressure to remove contents from a container. Emptied containers may retain product residues (e.g. vapor and liquid or solids); Therefore all precautions given in this sheet must be observed until a container is thoroughly cleaned or destroyed. All containers must be completely drained, (less than one inch of material in the bottom of 55 gallon container) before disposal. If possible emptied container of 55 gallons or more should be given to reconditioner for cleaning.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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### **ENGINEERING CONTROLS:**

The vapors are heavier than air and due care must be exercised to prevent them from collecting in low, unventilated areas. Vapors may travel along the floor (even under and around closed doors). Adequate ventilation must be provided with

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good fresh air movement at floor level by normal cross ventilation or preferably good explosion proof exhaust fans. Limit concentration of any solvent in air to exposure guidelines.

**RESPIRATORY PROTECTION:**

At vapor concentration below exposure guidelines none needed. Air-purifying respirators may not be effective and they are not recommended for use with this product. In poorly ventilated areas and in emergencies, an approved self-contained breathing apparatus with a full face piece, operated in pressure demand or other positive pressure mode is advised. (See your safety equipment supplier)

**SKIN PROTECTION:**

Neoprene, butyl or safety 4H laminate glove.

**EYE PROTECTION:**

Chemical goggles or safety glasses with side shield. Eye wash stations with safety showers should be readily available. Plastic glasses may be dissolved by paint removers and other solvents.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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BOILING POINT: 104F  
VAPOR PRESSURE: 308mmHg20C  
VAPOR DENSITY: Heavier than air  
SOLUBILITY IN WATER: Appreciable  
SPECIFIC GRAVITY: 1.20  
pH: 3-4  
ODOR: Hydrocarbon odor  
APPEARANCE: Thick liquid

**10. STABILITY AND REACTIVITY**

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**CHEMICAL STABILITY (CONDITIONS TO AVOID):**

Stable

**INCOMPATIBILITY:**

Strong oxidizing agents (e.g. nitric acid, permanganates, etc.) strong alkalies (e.g. NaOH ammonia, etc.), strong acids (e.g. HCl, sulfuric, etc.) may react with aluminum.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon dioxide and carbon monoxide, various hydrocarbons.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**11. TOXICOLOGICAL INFORMATION**

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NO DATA

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**12. ECOLOGICAL INFORMATION**

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NO DATA

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**13. DISPOSAL CONSIDERATIONS**

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Removers cannot be neutralized for disposal into a sewer. Solvents must not be dumped on the ground or be allowed to contaminate ground water, streams, drinking water sources or other bodies of water. Solids collected from stripping should be screened out. Recovered remover, if not contaminated with other solvents or water, may be recycled in the system. Dispose of contaminated remover as spent solvent to a licensed reclaimer. Comply with all local, state, and federal regulations.

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

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Dichloromethane solution/6.1/UNI593/PGIII - Poison

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**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/Health

SECTION 313: This product contains chemicals (Marked \* in section 2) which are subject to reporting requirements of Section 313 of Title III of The Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372

STATE REGULATIONS:

New Jersey RTK Label Information: Toluene, 108-88-3, Methanol, 67-56-1, Dichloromethane, 75-09-2.

Pennsylvania RTK Label Information: Benzene, Methyl-, 108-88-3, Methanol, 67-56-1, Dichloromethane, 75-09-2.

California Proposition 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. This product contains a chemical(s) known to the state of California to cause cancer, birth defects, or other reproductive harm.

VOLATILE ORGANIC COMPOUNDS: 13%

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**16. OTHER INFORMATION**

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HMIS RATING (Health, Fire, Physical, PP): 2,1,0,

Judgement of potential hazards of this product is based on information available

M A T E R I A L   S A F E T Y   D A T A   S H E E T

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about individual components listed under section II- Ingredients. Direct testing of mixture has not been done. Flash point has been tested. Information given herein is believed to be accurate and is given in good faith. However, no warranty either expressed or implied is made. It is strongly suggested tat users confirm in advance of need that the information is current and applicable to their situations.