SAFETY DATA SHEET

1. Product and Company Identification

Product Name : MEK
Product Code : 1420N
Recommended Use: Solvent

Company Identification:
SAVOGRAN
259 LENOX STREET
PO BOX 130
NORWOOD, MA 02062-0130
Information Phone: 781-762-5400
Emergency Phone: 800-424-9300
Website Address: www.savogran.com

Synonyms: 400101,400106,Ethyl Methyl Ketone,Butanone

2. Hazards Identification

Classification:
Flammable liquids: Category 2/Eye irritation: Category 2A/Specific target organ toxicity(single exposure): Category 3

Label Hazard Statement:
WARNING! FLAMMABLE. Vapors may be harmful. Harmful or fatal if swallowed. May affect the brain or nervous system, causing dizziness, headache or nausea. Causes eye, nose, throat and skin irritation. Keep away from heat, sparks and flame.

Potential Health Effects:

Eye:
May cause eye irritation. Symptoms include stinging, tearing, and redness.
Skin:
Short contact - no irritation. Prolonged or frequently repeated contact can cause irritation.

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:
Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, headache and nausea.

Chronic Overexposure Information:
NO DATA
Teratology and Reproduction Information:
NO DATA
Aggravation of Pre-Existing Conditions:
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 indesirable effects.

OSHA Hazard Communication Standard:
This product is defined as hazardous by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

3. Composition/Information on Ingredients

Component	CAS#	% by Wt.
METHYL ETHYL KETONE OSHA 200 ppm TWA ACGIH 200 ppm TWA/300 ppm STEL	78-93-3	95% - 100%

4. First Aid Measures

Eyes:
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:
If ingested, DO NOT induce vomiting; call a physician immediately.
Inhalation:
If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention.

Note to Physicians:
NO DATA

5. Fire Fighting Measures

Flammable Properties:
WARNING! FLAMMABLE. Keep away from heat, sparks, flame and all other sources of ignition. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and all other sources of ignition during use and until all vapors are gone. Beware of static electricity that may be generated.

Hazardous Combustion Products:
May form carbon dioxide and carbon monoxide.

Extinguishing Media:
Water fog, regular foam, carbon dioxide or dry chemical.

Firefighting Procedures:
Wear self-contained breathing apparatus with full face piece operated in pressure-demand or other positive pressure mode. Straight water steam will spread fire. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed.

6. Accidental Release Measures

Small Spill:
Absorb liquid on vermiculite, floor absorbent or other absorbent material.
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.

Environmental Precautions:
Do not release into sewers or waterways.

Methods/Materials for Containment and Cleaning Up:
Eliminate all ignition sources. Runoff may create fire or explosion hazard in sewer system. Absorb on fire retardant, liquid-absorbing material. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

7. Handling and Storage

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 flammable materials in areas with widely fluctuating temperatures and do not store where vapors may come in contact with flames, sparks, or heat. Flammable materials should not be stored 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

Airborne Exposure Limits: See Section 3

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 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.

Personal Protective Equipment:

Respiratory Protection:
For known vapor concentrations above the occupational exposure guidelines, use NIOSH approved organic vapor respirator.

Skin Protection:
Use heavy duty chemically protective gloves constructed of chemical resistant materials such as viton or neoprene.

Eye Protection:
Chemical goggles or safety glasses with side shield.

9. Physical and Chemical Properties

Boiling Point: 176F

Melting Point: NO DATA
Freezing Point: NO DATA
Vapor Pressure: 83mmHg@20C
Vapor Density: 2.5(Air=1)
Solubility in Water: 26.3%@25C
Evaporation Rate: 5.7(n-Butyl Acetate)
Flash Point: 24F Method: ASTM D 56, tag closed cup
Lower explosive limit: 1.8%
Upper explosive limit: 10%
Autoignition Temperature: NO DATA
Specific Gravity: .806
pH(1% in H2O): NO DATA
Odor: Mild
Appearance:: Colorless liquid

10. Stability and Reactivity

Chemical Stability (Conditions to Avoid): Stable

Incompatibility:
Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products:
Carbon monoxide and carbon dioxide

Hazardous Polymerization: Will not occur.

11. Toxicological Information

Acute:
Oral: LD 50 Rat: 2300-3500 mg/kg
Inhalation: LC 50 Rat: 11700 mg/l; 4h
Dermal: LD 50 Rabbit: >5 g/kg

Subchronic:
NO DATA

Chronic/Carcinogenicity:
Not listed by ACGIH, IARC, NIOSH, NTP or OSHA

Routes of Exposure:
Inhalation, Skin absorption, Skin contact, Eye contact, Ingestion.

12. Ecological Information

Environmental Fate: NO DATA

13. Disposal Considerations

Waste Disposal Method:

Must be disposed of in accordance with local, state and federal regulations.

14. Transport Information

Land Transport (DOT):
UN1193/Methyl Ethyl Ketone/3/PGII- Flammable

15. Regulatory Information

U.S. Federal Regulations:
TSCA: The intentional ingredients of this product are listed.
OSHA: The intentional regulated ingredients of this product are listed.
CERCLA: SARA Hazard Category: Immediate/Fire
Section 313: Not Listed
Reportable Quantity: Product Component (Methyl Ethyl Ketone-5000lb)
State Regulations:
New Jersey and Pennsylvania RTK Label Information: Methyl Ethyl Ketone, 78-93-3
Volatile Organic Compounds: 100% by wt.;804 g/l;6.71 lbs/gallon

16. Other Information:

NFPA Ratings: 1,3,0

Manufacturer Disclaimer:
Judgement of potential hazards of this product is based on information available about individual components listed under section 3 - 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 that users confirm in advance of need that the information is current and applicable to their situations.