

# SAFETY DATA SHEET

SAVOGRAN  
METHANOL

Revision: 3/10/2015

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## 1. Product and Company Identification

Product Name : METHANOL  
Product Code : 1430N  
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](http://www.savogran.com)

Synonyms: 401101,401106,401155,Methyl Alcohol

## 2. Hazards Identification

### Classification:

Flammable liquids: Category 2/Eye irritation: Category 2A/Acute Toxicity(Oral,Dermal,Inhalation): Category 3/Reproductive toxicity: Category 1B/Specific target organ toxicity(single exposure): Category 1



### Label Hazard Statement:

DANGER! POISON. 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 mild eye irritation. Symptoms include stinging, tearing, and redness

Skin:  
May cause mild 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.

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## Ingestion:

Ingestion can cause severe internal irritation. Can be fatal if swallowed. Systemic poison affecting the central nervous system and kidney function as well as other organs.

## Inhalation:

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

## Chronic Overexposure Information:

NO DATA

## Teratology and Reproduction Information:

Methanol has caused birth defects in laboratory animals, but only when inhaled at extremely high vapor concentrations. The relevance of this finding to humans is uncertain.

## 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 undesirable 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

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Component	CAS#	% by Wt.
* METHANOL	67-56-1	95% - 100%
ACGIH (SKIN)/OSHA 200 ppm TWA		
ACGIH 250 ppm STEL-SKIN		

### 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:

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with head down. Contact physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual.

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## Inhalation:

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

## Note to Physicians:

This product contains methanol which can cause intoxication and central nervous system depression. Methanol is metabolized to formic acid and formaldehyde. These metabolites can cause metabolic acidosis, visual disturbances and blindness. Since metabolism is required for these toxic symptoms, their onset may be delayed from 6 to 30 hours following ingestion. Ethanol competes for the same metabolic pathway and has been used to prevent methanol metabolism. Ethanol administration is indicated in symptomatic patients or at blood methanol concentrations above 20ug/dl. Methanol is effectively removed by hemodialysis.

## 5. Fire Fighting Measures

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### Flammable Properties:

DANGER! 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, various hydrocarbons.

### 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

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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.

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## 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

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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.

## 8. Exposure Controls/Personal Protection

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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.

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

## 9. Physical and Chemical Properties

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Boiling Point: 147F  
Melting Point: NO DATA  
Freezing Point: NO DATA  
Vapor Pressure: 97mmHg20C  
Vapor Density: Heavier than air  
Solubility in Water: TOTAL  
Evaporation Rate: LESS THAN ETHER  
Flash Point: 54F Method: ASTM D 56, tag closed cup  
Lower explosive limit: 6.0  
Upper explosive limit: 36.0  
Autoignition Temperature: 725F  
Specific Gravity: .792  
pH(1% in H2O): NO DATA  
Odor: Alcoholic  
Appearance:: Colorless liquid

## 10. Stability and Reactivity

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Chemical Stability (Conditions to Avoid): Stable

Incompatibility:  
Strong acids (e.g. HCL), Strong oxidizing agents (e.g.permanganates).

Hazardous Decomposition Products:  
Carbon monoxide and carbon dioxide

Hazardous Polymerization: Will not occur.

## 11. Toxicological Information

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Acute:  
Oral LD L0 Human: 300 mg/kg  
Inhalation LC 50 Rat 64000 ppm,4h  
Dermal LD 50 Rabbit 12800 mg/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

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Environmental Fate: Readily biodegradable

## **13. Disposal Considerations**

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Waste Disposal Method:

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

## **14. Transport Information**

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Land Transport (DOT):

UN1230/Methanol/3/PGII- Flammable

## **15. Regulatory Information**

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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: This product contains chemicals (Marked \* in section 3) 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

Reportable Quantity: Product Component (Methanol-5000lb)

State Regulations:

New Jersey RTK Label Information: Methanol, 67-56-1,

Pennsylvania RTK Label Information: Methanol, 67-56-1

Volatile Organic Compounds: 100% by wt.;791 g/l;6.6 lbs/gallon

## **16. Other Information:**

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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.