

SAFETY DATA SHEET

SAVOGRAN COMPANY

1. Product and Company Identification

Product Name: METHANOL Product Code: 1430N

Savogran Company

259 Lenox St

PO Box 130

Norwood, MA 02062-0130

Information Phone: 781-762-5400

Emergency Phone: 800-424-9300

Website Address: www.savogran.com

Synonyms: 401101,401106,401155,

Methyl Alcohol

Product Use: SOLVENT

2. Hazards Identification

GHS Ratings:

Flammable liquid	2
Dermal Toxicity	3
Inhalation Toxicity	3
Eye corrosive	2A
Reproductive toxin	1B
Organ toxin single exposure	1

GHS Hazards

H225	Highly flammable liquid and vapour
H301	Toxic if swallowed
H311	Toxic in contact with skin
H319	Causes serious eye irritation
H331	Toxic if inhaled
H360	May damage fertility or the unborn child
H370	Causes damage to organs

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/lighting equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P264	Wash thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing . Rinse skin with water/shower

P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P308+P313 IF exposed or concerned: Get medical advice/attention

P337+P313 If eye irritation persists, get medical advice/attention

P370+P378 In case of fire: Use use carbon dioxide or dry chemical

P405 Store locked up

P403+P235 Store in a well ventilated place. Keep cool

P501 Dispose of contents/container in accordance with local/regional/national/international regulations

Signal Word: Danger



3. Composition/Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
METHANOL	67561	90.00% - 100.00%

4. First Aid Measures

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.

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.

If swallowed, call a poison control center or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

This product contains methanol which can cause intoxication and central nervous system depression. Methanol is metabolized to formic acid and formaldehyde. The 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 about 20ug/dl. Methanol is effectively removed by hemodialysis .

5. Fire Fighting Measures

Flash Point: 12 C (54 F)

LEL: 6.0%

UEL: 37.0%

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

Fire/explosion: 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.

May form carbon dioxide and carbon monoxide, various hydrocarbons.

Fire Fighting: 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

Methods/Materials for Containment and Cleaning Up:

Eliminate all ignition sources. Runoff may create fire or exposure 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. Prevent spills from entering storm sewers or drains and contact with soil.

Small spill: Wipe or scrap 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

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

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
METHANOL 67561	200 ppm TWA	200 ppm TWA 250 ppm STEL	Not Established

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.

Respiratory Protection:

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

Skin Protection:

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

Eye Protection:

Chemical goggles or safety glasses with side shield.

9. Physical and Chemical Properties

Appearance: Colorless liquid Vapor Pressure: 97mmHg@20C Vapor Density: 1.1 Density: 0.792 Freezing point: No data Boiling range: 65°C Evaporation rate: 4.1	Odor: Alcoholic Odor threshold: No data pH: No data Melting point: No data Solubility: Complete Flash point: 54F Flammability: No data
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Explosive Limits: 6% - 37% Autoignition temperature: 464°C Viscosity: No data Lbs VOC/Gallon: 6.6 g VOC/Liter: 791	Partition coefficient (n- octanol/water): Decomposition temperature: No data % Weight Non-Exempt: 100 % Weight Volatile (VOC): 100
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10. Stability and Reactivity

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.)

Hazardous Decomposition:

May form carbon dioxide and carbon monoxide, various hydrocarbons.

Hazardous polymerization will not occur.

11. Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 300mg/kg

Routes of Entry Anticipated:

Inhalation Skin Contact Eye Contact Ingestion

Potential Health Effects:

Eye: Can cause severe irritation, redness, tearing, blurred vision

Skin: Mildly irritating to the skin. May cause dermatitis by de-fattening the skin from prolonged or repeated contact.

Swallowing: Ingestion of as little as 10 ml of methanol can cause blindness and 30 ml (1 ounce) can cause death if victim is not treated. Ingestion causes mild central nervous system (CNS) depression with nausea, headache, vomiting, dizziness, incoordination and an appearance of drunkenness. Metabolic acidosis and severe visual effects can occur following an 8-24 hour latent period. Coma and death, usually due to respiratory failure, may occur if medical treatment is not received. Visual effects may include reduced reactivity and/or increased sensitivity to light, blurred, double and/or snowy vision, and blindness.

Inhalation: Breathing of vapor 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 8).

Reproductive Toxicity: 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.

Effects of Overexposure

Contains no ingredients listed as a carcinogen

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, or after exposure to some solvents may cause undesirable effects.

Chronic: 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.

12. Ecological Information

Ecotoxicity: Not available.
Persistence and degradability: Biodegradation is expected
Bioaccumulative potential: Unlikely
Mobility in soil: The product is soluble in water.
Other Adverse effects: No known significant effects or critical hazards.

13. Disposal Considerations

Disposal Methods:

Must be disposed of in accordance with local, state and federal regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

Empty Containers:

Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Empty drums should be completely drained, triple-rinsed, properly bunged and promptly returned to a drum reconditioner, or properly disposed.

14. Transport Information

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	METHANOL	1230	II	3

15. Regulatory Information

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

Reportable Quantity: Product Component (Methanol-5000lb)

SARA 313 (TRI Reporting)
67561 METHANOL

Massachusetts RTK Label Information
67561 METHANOL

New Jersey RTK label Information
67561 METHANOL

Pennsylvania RTK Label Information
67561 METHANOL

California Prop 65 Listed:
67561 METHANOL

16. OTHER INFORMATION

Hazardous Material Information System (HMIS)

National Fire Protection Association (NFPA)

HEALTH	<input type="text" value="1"/>
FLAMMABILITY	<input type="text" value="3"/>
PHYSICAL HAZARD	<input type="text" value="0"/>
PERSONAL PROTECTION	<input type="text"/>

HMIS & NFPA Hazard Rating

Legend

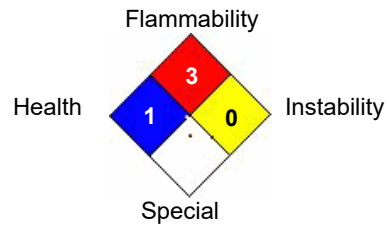
* = Chronic Health Hazard

0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH



Judgement of potential hazards of this product is based on informatoin available about individual components listed under section 3 - Ingredients. Direct testing of mixture has not been done. Information given herin is believed to be accurate and is given in good faith. However, no warranty either expressed or implied is made. It is strongly suggested tht users confirm in advance of need that the information is current and applicable to their situations.

Reviewer Revision

Date Prepared: 7/16/2019