

# SAFETY DATA SHEET

SAVOGRAN COMPANY

## 1. Product and Company Identification

Product Name: XYLOL Product Code: 1470N

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: 406001, 406006, 406054, Xylene

Product Use: SOLVENT/THINNER

## 2. Hazards Identification

### GHS Ratings:

|                               |    |
|-------------------------------|----|
| Flammable liquid              | 3  |
| Dermal Toxicity               | 4  |
| Inhalation Toxicity           | 4  |
| Skin corrosive                | 2  |
| Eye corrosive                 | 2A |
| Carcinogen                    | 2  |
| Reproductive toxin            | 2  |
| Organ toxin single exposure   | 3  |
| Organ toxin repeated exposure | 2  |
| Aspiration hazard             | 1  |

### GHS Hazards

|      |   |
|------|---|
| H226 | Flammable liquid and vapour                         |
| H304 | May be fatal if swallowed and enters airways        |
| H315 | Causes skin irritation                              |
| H319 | Causes serious eye irritation                       |
| H351 | Suspected of causing cancer                         |
| H361 | Suspected of damaging fertility or the unborn child |

### 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   |
| P331           | Do NOT induce vomiting  |
| P362           | Take off contaminated clothing and wash before reuse  |
| P301+P310      | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  |
| P302+P352      | IF ON SKIN: Wash with soap and water  |
| 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   |
| P332+P313      | If skin irritation occurs: Get medical advice/attention   |
| P337+P313      | If eye irritation persists, get medical advice/attention  |
| P370+P378      | In case of fire: 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 % |
|---------------|------------|------------------------|
| XYLENE        | 1330207    | 80.00% - 90.00%        |
| ETHYLBENZENE  | 100414     | 10.00% - 20.00%        |

**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.

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 pneumonitis which can be fatal.

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**

Flash Point: 27 C (80 F)

LEL: 1.0%

UEL: 7.0%

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 |
|-------------------------|----------------------|-----------------------------|-----------------------|
| XYLENE<br>1330207       | 100 ppm TWA          | 100 ppm TWA<br>150 ppm STEL | Not Established       |
| ETHYLBENZENE<br>100414  | 100 ppm TWA          | 20 ppm TWA                  | 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:** Clear liquid

**Odor:** Aromatic

|   |  |
|---|--|
| <p><b>Vapor Pressure:</b> 6.6 mmHg20C</p> <p><b>Vapor Density:</b> 3.66</p> <p><b>Sp Gravity:</b> 0.87</p> <p><b>Freezing point:</b> No data</p> <p><b>Boiling range:</b> 280F</p> <p><b>Evaporation rate:</b> 0.86</p> <p><b>Explosive Limits:</b> 1% - 7%</p> <p><b>Autoignition temperature:</b> 465C</p> <p><b>Viscosity:</b> No data</p> <p><b>Lbs VOC/Gallon</b> 7.25</p> <p><b>g VOC/Liter</b> 869</p> | <p><b>Odor threshold:</b> No data</p> <p><b>pH:</b> No data</p> <p><b>Melting point:</b> No data</p> <p><b>Solubility:</b> Negligible</p> <p><b>Flash point:</b> 80F</p> <p><b>Flammability:</b> No data</p> <p><b>Partition coefficient (n-octanol/water):</b> No data</p> <p><b>Decomposition temperature:</b> No data</p> <p><b>% Weight Non-Exempt</b> 100</p> <p><b>% Weight Volatile (VOC)</b> 100</p> |
|---|--|

**10. Stability and Reactivity**

Chemical Stability (Conditions to Avoid):  
 STABLE

Incompatibility:  
 Avoid contact with strong oxidizing agents.

Hazardous Decomposition:  
 May form carbon dioxide and carbon monoxide, various hydrocarbons.  
 Hazardous polymerization will not occur.

**11. Toxicological Information**

**Mixture Toxicity**  
 Oral Toxicity LD50: 4,300mg/kg  
 Dermal Toxicity LD50: 2,000mg/kg

Routes of Entry Anticipated:  
 Inhalation      Skin Contact      Eye Contact      Ingestion

Potential Health Effects:  
 Eye: Can cause severe irritation, redness, tearing, blurred vision  
 Skin: May cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, 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: Aspiration of material into the lungs can casue chemical pneumotitis which can be fatal . Ingestion can cause blindness, nausea, vomiting, diarrhea, gastrointestinal irritation and death.  
 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 hiiher than the recommended exposure limits (See Section 8).

**Effects of Overexposure**

Ethylbenzene (CAS100414) IARC 2B Possibly carcinogenic in humans

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 difficultly, 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.

Reproductive Toxicity: Suspected of damaging fertility or the unborn child.

## 12. Ecological Information

Ecotoxicity: Toxic to aquatic life.

Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential: No data available

Mobility in soil: The product is insoluble in water.

Other Adverse effects: Oil spills are generally hazardous to the environment. The product contains volatile organic compounds which have a photochemical ozone creation potential.

## 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           | XYLENE                      | 1307             | III                  | 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 (Xylene-1000lb)

SARA 313 (TRI Reporting)

1330207 XYLENE

100414 ETHYLBENZENE

Massachusetts RTK Label Information

1330207 XYLENE

100414 ETHYLBENZENE

New Jersey RTK label Information

1330207 XYLENE

100414 ETHYLBENZENE

Pennsylvania RTK Label Information

1330207 XYLENE

100414 ETHYLBENZENE

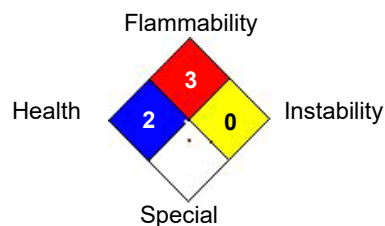
16. OTHER INFORMATION

**Hazardous Material Information System (HMIS)**

|                     |                                |
|---------------------|--------------------------------|
| HEALTH              | <input type="text" value="2"/> |
| 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

**National Fire Protection Association (NFPA)**



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