1. PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: Troythix 150ACS

MANUFACTURER: Troy Chemical Corporation

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS#</th>
<th>%</th>
<th>AGENCY</th>
<th>EXPOSURE LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>60-70</td>
<td>OSHA/ACGIH</td>
<td>TWA: 100 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TWA: 150 ppm</td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>5-10</td>
<td>OSHA/ACGIH</td>
<td>TWA: 1000 ppm</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>3-7</td>
<td>ACGIH</td>
<td>TWA: 200 ppm</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>1-3</td>
<td>ACGIH</td>
<td>TWA: 200 ppm (skin)</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Troythix 150ACS is a pale off-white paste with a solvent odor. Flammable solid. Harmful by ingestion. May cause eye, skin, and respiratory irritation.

ROUTES OF ENTRY

INGESTION

Ingestion can cause severe gastrointestinal irritation, nausea, vomiting, convulsions, blindness, and coma. Aspiration of material into the lungs can cause lung damage.

SKIN

Direct contact may cause skin irritation. Symptoms may include redness, burning, drying and cracking, skin burns, and skin damage. Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use. Skin absorption of methanol can cause blindness.

EYE CONTACT

Exposure may cause eye irritation with redness, pain and tearing.

INHALATION

Exposure to vapor or mist is possible and may cause respiratory irritation. Short-term inhalation toxicity is low. Excessive inhalation may cause respiratory irritation and central nervous effects (dizziness, drowsiness, weakness, fatigue, nausea, headache, and unconsciousness). Symptoms are more typically seen at air concentrations exceeding the recommended exposure limits.

CHRONIC EFFECTS

Repeated or long-term exposure to ethyl alcohol may affect the respiratory tract and central nervous system. Chronic ingestion may cause cirrhosis of the liver. Ethyl alcohol consumption during pregnancy may affect the unborn child. Xylene has been shown to cause birth defects in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

TARGET ORGANS

Eyes, skin, respiratory system, central nervous system, liver, blood, reproductive system, cardiac sensitization, hearing, kidneys.

CARCINOGENICITY

This product (or component) is not listed as a carcinogen according to OSHA, NTP, IARC, and ACGIH.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

May aggravate central nervous system, eye, liver, kidney, lung, and skin disorders or allergies.

4. FIRST AID MEASURES

INGESTION

Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. If vomiting occurs, keep head lower than hips to prevent aspiration. Do not give anything by mouth to an unconscious person.

SKIN CONTACT

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

EYE CONTACT

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

INHALATION

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTES TO PHYSICIAN

This product contains methanol which can cause intoxication and CNS 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.

5. FIRE FIGHTING MEASURES

FLASH POINT

9°C (48°F) (ASTM D3278-96 Setaflash Closed-Cup)

FLAMMABLE LIMITS

1% - 7% (for xylene); 3.3% - 19% (for ethyl alcohol); 6% - 36% (for methanol)

AUTOIGNITION TEMPERATURE

380°C (716°F)

FLAMMABILITY CLASS

Flammable solid

HAZARDOUS PRODUCTS OF COMBUSTION

Carbon monoxide, carbon dioxide.
FIRE EXTINGUISHING MEDIA
Dry chemical, carbon dioxide, water spray, or alcohol-resistant foam.

FIRE FIGHTING INSTRUCTIONS
Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Do not scatter spilled material with high-pressure water streams. Avoid breathing vapors, keep upwind. Positive pressure self-contained breathing apparatus with full facepiece and structural firefighters' protective clothing will provide limited protection.

UNUSUAL FIRE & EXPLOSION HAZARDS
Dangerous fire hazard when exposed to heat or flame. Solvent vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by flames and ignition sources. Vapor-air mixtures are explosive. Runoff to sewer may create fire or explosion hazard. Runoff from fire control or dilution water may cause pollution. Never use welding or cutting torch on or near drum (even empty) because product (even residue) can ignite explosively.

6. ACCIDENTAL RELEASE MEASURES
Keep unnecessary people away; isolate hazard area and deny entry. Wear protective equipment as specified in Section 8. Stay upwind; keep out of low areas. Positive pressure self-contained breathing apparatus and structural firefighters' protective clothing will provide limited protection. Shut off ignition sources; no flares, smoking, or flames in hazard area. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Use water spray to reduce vapors, but it may not prevent ignition in closed spaces. For small spills, shovel material into clean, dry container and cover loosely; move containers from spill area. For large spills, wet down with water and dike for later disposal. If water pollution occurs, notify the appropriate authorities.

Observe all Federal, State, and Local regulations regarding notifications of accidental releases.

7. HANDLING & STORAGE
Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or mist. Wash thoroughly after handling. Keep container tightly closed. Use only with adequate ventilation. "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, properly bunged and promptly returned to a drum reconditioner, or properly disposed of. Avoid storage at temperatures >49°C (120°F). Note high solvent content and low flash point: 9°C (48°F). Store away from incompatible substances in a cool, dry, ventilated area. Outside or detached storage is preferable. Inside storage should be in a standard flammable liquids storage room or cabinet. Separate from oxidizing and other incompatible substances.

Observe all Federal, State, and Local regulations when storing or disposing of this substance.

8. PERSONAL PROTECTION/EXPOSURE CONTROLS
VENTILATION
Provide local exhaust or process enclosure ventilation to meet published exposure limits. Ventilation equipment must be explosion-proof.

EYE/FACE PROTECTION
If potential for contact with product exists, use splash-proof safety goggles or other approved eye protection.

SKIN PROTECTION
Wear impervious gloves and apron to prevent skin contact. Wear impermeable suit if exposure is possible to a large portion of the body.

RESPIRATORY PROTECTION
If exposure may exceed recommended limits, an approved respirator should be used based on exposure levels found in the workplace.

OTHER
Eyewash and safety shower should be available within the immediate work area for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES
APPEARANCE
Pale off-white paste

ODOR
Solvent odor

INITIAL BOILING POINT
Not determined

MELTING POINT
Not determined

VAPOR PRESSURE AT 20°C.
8 mm Hg (for xylene)

VAPOR DENSITY (Air=1)
>1

VISCOSITY (Gardner) AT 20°C.
Not determined

SPECIFIC GRAVITY AT 25°C. (Water=1)
0.85-0.87

WATER SOLUBILITY
Insoluble

pH
Not applicable

EVAPORATION RATE (Butyl acetate=1)
<1

% VOLATILES BY WEIGHT
80% nominal

VOC (g/l)
643

10. STABILITY & REACTIVITY
REACTIVITY
Stable under normal temperatures and pressures.

CONDITIONS TO AVOID
Avoid heat or sources of ignition. Vapor-air mixtures are explosive.

INCOMPATIBILITY
Avoid contact with strong acids, bases, and oxidizing agents.

HAZARDOUS DECOMPOSITION
Decomposition may release carbon monoxide and carbon dioxide.

HAZARDOUS POLYMERIZATION
Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION
No acute test data is available on this product. For additional information, contact Troy Chemical Corporation:

12. ECOLOGICAL INFORMATION
No data is available on this product.

13. DISPOSAL INFORMATION
Disposal procedures must be in accordance with local regulations.
MATERIAL SAFETY DATA SHEET (MSDS)

TROY INTERNATIONAL
8 Vreeland Road
Florham Park, NJ 07932
USA

FOR MSDS INFORMATION: 1-973-589-2500 (USA)
24 HOUR EMERGENCY PHONE NUMBER
CHEMTREC 1-703-527-3887 (USA)

Troythix 150ACS
Product Code: 7025X, 7028X

Effective Date: March 1, 2005
Replaces: December 13, 2002

14. TRANSPORTATION INFORMATION

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<th>IATA</th>
<th>SHIPPING NAME</th>
<th>UN1325, Flammable solid, organic, n.o.s. (contains: xylene, ethyl alcohol), 4.1, PG II, ERG# 3L</th>
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<tbody>
<tr>
<td></td>
<td>LABELS REQUIRED</td>
<td>Flammable solid</td>
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<tbody>
<tr>
<td></td>
<td>LABELS REQUIRED</td>
<td>Flammable solid</td>
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15. REGULATORY INFORMATION

CHEMICAL INVENTORIES
The ingredients of this product are all on the following Chemical Substance Inventories, are exempt from the Inventories, or are otherwise compliant with inventory requirements of the governing agency.

<table>
<thead>
<tr>
<th>TSCA</th>
<th>EINECS</th>
<th>DSL/NDSL</th>
<th>AICS</th>
<th>ECL</th>
<th>MITI/ENCS</th>
<th>IPCS</th>
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<td>Canada</td>
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<td>Korea</td>
<td>Japan</td>
<td>Philippines</td>
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China

16. OTHER

PREVISIONS

Prepared by: Environmental and Regulatory Affairs Dept.

This MSDS has been revised in the following sections: (revisions indicated in left border)

Revised composition, revisions throughout MSDS.

The information contained in this MSDS is believed to be accurate and reliable as of issue date, but no representation, guarantee, or warranty, express or implied is made to the accuracy, reliability, or completeness of the information. It is provided for the purpose of complying with hazard communication regulations. It is not intended as performance information or specifications for the product. It is the user’s responsibility to determine the suitability of the product for his own use. Troy does not assume legal responsibility for reliance on information herein. This MSDS is not intended for use in North America or Europe.

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