MATERIAL SAFETY DATA SHEET

Product Name: RADIO-TV CEMENT SOLVENT

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION
Product Type: Thinners/ Solvents
Product Name: RADIO-TV CEMENT SOLVENT
Part Number(s): 10-312
10-318
10-320
10-321

Emergency Contact: Chemtrec
Phone: (800) 424-9300

Common Name: N/A
Product Name: 2641 Solvent

HMIS RATINGS
Health: 3
Flammability: 4
Reactivity: 0

HAZARD RATINGS
Least: 0
Slight: 1
Moderate: 2
High: 3
Extreme: 4

Boiling Point @ 760 mm Hg or Range: 133°F - 259°F
Specific Gravity (H₂O=1): .857

Vapor Pressure @ 68°F: 95.5
Vapor Density (Air=1): 2.2
Evaporation Rate: Butyl Acetate=1
Solubility (Weight % in Water): 34.1

Volume % Volatile: 100.1

Appearance and Odor: Clear liquid with a characteristic odor

SECTION 2. HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>%</th>
<th>T.L.V. (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Butyl Acetate</td>
<td>123-86-4</td>
<td>15-26</td>
<td>150</td>
</tr>
<tr>
<td>Ethyl Acetate 99%</td>
<td>141-78-6</td>
<td>9-28</td>
<td>400</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>27-42</td>
<td>750</td>
</tr>
<tr>
<td>Toluol (Toluene)</td>
<td>108-88-3</td>
<td>23-39</td>
<td>100</td>
</tr>
</tbody>
</table>

SECTION 3. FIRE AND EXPLOSION HAZARD DATA

Flammable Limits in Air (% by Volume)
LEL: 1
UEL: 12.8
Extinguishing Media: Carbon dioxide, dry chemical, or foam

Flash point °F Method Used=TCC -15° for lowest flashing component

Special Fire Fighting Procedures: Cool fire-exposed containers with water. Do not enter confined fire space without proper protective equipment including a NIOSH-approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: N/A
MATERIAL SAFETY DATA SHEET

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SECTION 4. HEALTH HAZARD DATA
Permissible Exposure Limits (TLV): For the lowest component 100 ppm

EFFECTS OF OVEREXPOSURE
This section covers effects of overexposure to inhalation, eye/skin contact, ingestion and other types of overexposure.

Overexposure can lead to central nervous system depression producing such effects as headache, dizziness, nausea, and loss of consciousness.

Irritating to the eyes and mucous membranes.

Can cause defatting and drying of the skin resulting in irritation and dermatitis.

Can be absorbed through the skin causing effects similar to inhalation or ingestion. Liquid ingestion may result in vomiting. Aspiration of liquid into the lungs must be avoided as liquid contact with the lungs can result in chemical pneumonitis and pulmonary edema/hemorrhage.

SECTION 5. EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: Flush eyes with water for at least 15 minutes. Get medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing. If irritation persists, get medical attention.

Inhalation: Remove victim to fresh air. Provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

Ingestion: Consult a physician immediately. Product contains both naphthas and oxygenated solvents. See Section 2.

Notes to Physician (Including Antidotes): N/A
SECTION 6. REACTIVITY DATA

<table>
<thead>
<tr>
<th>Stability: Stable</th>
<th>Hazardous Polymerization: Will not occur</th>
</tr>
</thead>
</table>

Conditions and Materials to Avoid: Avoid strong alkalies.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and unidentified organics.

SECTION 7. SPILL OR LEAK PROCEDURES

**Steps to be Taken if Material is Spilled or Released:**
- Eliminate potential sources of ignition.
- Wear appropriate respirator and other protective clothing.
- For large spills, dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels.
- Soak up residue or small spills with noncombustible absorbent; place in drums for proper disposal.
- Flush area with water to remove trace residue. Dispose of flush solutions in drums.
- Keep out of surface waters and any watercourses or sewers entering or leading to surface waters.

**Waste Disposal Method:**
- Dispose of in an appropriate disposal facility in compliance with local regulations.
- Refer to latest EPA or State Regulations regarding disposal.

SECTION 8. SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** Use NIOSH-approved respirator if chance of overexposure.

**Ventilation (Type):** Use explosion-proof ventilation to maintain vapor concentrations below the TLV.

**Skin/Eye Protection:** Wear gloves, goggles, and other protective clothing to minimize skin contact and prevent eye contact.

**Other Protective Equipment:** N/A
SECTION 9. SPECIAL PRECAUTIONS

Precautions to be Taken During Handling and Storing.

Keep container closed. Do not store near heat, sparks, flame, or oxidizing materials. Vapors are heavier than air and will collect in low places. Ground all containers when transferring liquid. Use nonsparking tools.

SECTION 10. REGULATORY INFORMATION

DOT Shipping Name: Flammable liquid, N.O.S.
DOT Hazard Class: 3
Identification No.: UN 1993
Pkg Group II
Labeling ORM-D (0.3 gallons or less)
Labeling for 10-321 Flammable Liquid (CFR 49 173-150) Exceptions for Class 3 (Flammable and Combustible liquids).

Contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

<table>
<thead>
<tr>
<th>Substance Name</th>
<th>CAS#</th>
<th>% by WT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>27-42</td>
</tr>
<tr>
<td>Toluol (Toluene)</td>
<td>108-88-3</td>
<td>30.00</td>
</tr>
</tbody>
</table>

Warning: Toluene is listed on California Proposition 65 as a chemical known to cause cancer, birth defects and other reproductive harm.

SECTION 11. OTHER INFORMATION

GC Electronics believes that the information contained herein is accurate and reliable as of the date of this material safety data sheet, but no representation guarantee or warranty, express or implied, is made as to the accuracy, reliability or completeness of the information. Persons receiving information are encouraged to make their own determination as to the information’s suitability and completeness for their particular application.

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