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MSDS Number: 102  
Revision Date: 07/17/2012  
Supersedes Date: 06/09/2009

## MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

**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	Vapor Pressure: mm Hg @ 68°F 95.5	Vapor Density (Air=1): 2.2	Solubility (Weight % in Water): 34.1
Specific Gravity (H <sub>2</sub> O=1): .857	Volume % Volatile: 100.1	Evaporation Rate: Butyl Acetate=1) Greater than 1	
Appearance and Odor: Clear liquid with a characteristic odor			

### SECTION 2. HAZARDOUS INGREDIENTS

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

### SECTION 3. FIRE AND EXPLOSION HAZARD DATA

Flash point °F Method Used=TCC - -15° for lowest flashing component	Flammable Limits in Air (% by Volume) LEL: 1 UEL: 12.8	Extinguishing Media: Carbon dioxide, dry chemical, or foam
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		



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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



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### SECTION 6. REACTIVITY DATA

Stability: Stable	Hazardous Polymerization: Will not occur
Conditions and Materials to Avoid: Avoid strong alkalis.	
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



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### 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:

Substance Name	CAS#	% by WT.
Toluol (Toluene)	108-88-3	30.00

**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. NO INFORMATION CONTAINED HEREIN CONSTITUTES A PRODUCT WARRANTY OF ANY KIND, WHETHER EXPRESS OR IMPLIED; AND ALL IMPLIED WARRANTIES OF MERCHANT ABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED BY GC ELECTRONICS.