

# MSDS - Material Safety Data Sheet

## Product Name: TITE SEAL PVC SOLVENT CEMENT

MSDS No.: T6034

### I. Basic Information:

**Manufacturer:** RADIATOR SPECIALTY COMPANY  
**Address:** P.O. BOX 159, 600 RADIATOR ROAD  
**City, ST Zip:** INDIAN TRAIL, NC 28079  
**Emergency Contact:** Rocky Mountain Poison Control Center  
**Emergency Telephone Number:** 303-623-5716  
**Contact:** Robert Geer  
**Information Telephone Number:** 704-688-3430



**Last Update:** 07/07/2003

**Chemical State:**  Liquid  Gas  Solid  
**Chemical Type:**  Pure  Mixture

2	Health
3	Flammability
0	Reactivity
H	Pers. Protection

### II. Ingredients:

Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
108941	Cyclohexanone	5.0 - 15.0						25 ppm	25 ppm		
109999	Furan, tetrahydro-	15.0 - 40.0						200 ppm	200 ppm		
78933	Methyl ethyl ketone	30.0 - 60.0					X	200 ppm	200 ppm		
Proprietary	Polyvinyl Chloride Resin	N/A						N/E	N/E		

### III. Hazardous Identification:

**Hazard Category:**

Acute  Chronic  Fire  Pressure  Reactive

**Hazardous Identification Information:**

Danger: Extremely Flammable. Vapors may cause Flash Fire. Harmful or Fatal if Swallowed. Vapor Harmful. Eye and Skin Irritant. KEEP AWAY FROM CHILDREN.

### IV. First Aid Measures:

**Route(s) of Entry:**

Inhalation and Skin Contact

**Health Hazards (Acute and Chronic):**

Symptoms of respiratory tract irritation and damage to respiratory epithelium were reported in rats exposed to 5000 ppm THF for 90 days. Elevation of SGPT suggests a disturbance in liver function. The NOEL was reported to be 200 ppm. Affect central nervous system, liver and kidneys. Causes irritation to skin.

**Signs and Symptoms:**

Eye Contact: overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid. Vapors slightly uncomfortable.

Skin Absorption: Prolonged or widespread exposure may result in the absorption of harmful amounts of material.

Inhalation: Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.

Ingestion: Moderately toxic. May cause nausea, vomiting, diarrhea. May cause mental sluggishness.

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### Medical Conditions Generally Aggravated by Exposure:

Individuals with pre-existing diseases of the eyes, skin, or respiratory system may have increased susceptibility to the toxicity of excessive exposures.

### Emergency and First Aid Procedures:

Eye Contact: Flush eyes with clean water for 15 minutes while lifting eyelids and get prompt medical attention.

Skin Contact: Wash with soap and water thoroughly. If adverse effects persist, get prompt medical attention. Launder contaminated clothing before reuse.

Inhalation: Remove to fresh air. If breathing becomes difficult get prompt medical attention.

Ingestion: DO NOT INDUCE VOMITING! Call Poison Control Center, physician, or hospital emergency room immediately.

### Other Health Warnings:

N/D

### V. Fire Fighting Measures:

Flash Point: 6°F

Lower Explosive Limit: 2.0

Upper Explosive Limit: 11.8

F.P. Method: TCC

Fire Extinguishing Media: Water Fog, Foam, Carbon Dioxide, Dry Chemical

### Special Fire Fighting Procedures:

Wear self-contained positive pressure breathing apparatus and protective clothes. Cool containers with a water fog. Do not use forced water stream as this could cause the fire to spread. Use shield to protect from rupturing and venting containers.

### Unusual Fire and Explosion:

Fire hazard because of low flash point and high volatility. Vapors are heavier than air and may travel to source of ignition.

### VI. Accidental Release Measures:

#### Steps to be Taken in Case Material is Released or Spilled:

Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc). Using a non-metallic scoop, place contaminated material into an approved chemical waste container. Where possible, vacuum spilled liquid using an explosion proof vacuum to recover material. Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occurred.

### VII. Handling and Storage:

#### Precautions to be Taken:

Store in the shade between 40°F - 110°F. Keep away from heat, sparks, open flame and other sources of ignition. Avoid prolonged breathing of vapor. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Train employees on all special handling procedures before they work with this product.

#### Other Precautions:

Follow all precautionary information given on container label, product bulletins and our solvent cementing literature. All handling equipment should be electrically grounded.

### VIII. Exposure Controls/Personal Protection:

#### Ventilation Requirements:

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See Section 2 for applicable exposure limits. Maintain adequate ventilation. Avoid breathing vapors. In restricted areas, use approved chemical filter designed to remove vapor. In confined areas, use approved air line type respirator or hood. A self-contained breathing apparatus is required for vapor concentrations above TLV limits.

### Personal Protective Equipment:

See Section 2 for applicable exposure limits. For prolonged exposure wear protective safety glasses, PVA coated gloves, and apron. A source of running water should be available to flush or wash the eyes and skin in case of contact.

### IX. Physical and Chemical Properties:

**Boiling Point:** 151°F

**Melting Point:** N/A

**Evaporation Rate (Butyl Acetate = 1):** > 1.0

**Vapor Pressure (mm Hg.):** 143

**Specific Gravity (H2O = 1):** 0.91200

**Vapor Density (AIR = 1):** 2.49

**Solubility In Water:** Completely soluble in water

**Appearance and Odor:** Clear or Gray medium syrupy liquid with ethereal odor

**Other Information:** N/D

### X. Stability and Reactivity:

#### Stability:

Stable

#### Incompatibility (Materials to Avoid):

Caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.

#### Decomposition/By Products:

Carbon monoxide, carbon dioxide, hydrogen chloride and smoke

#### Hazardous Polymerization:

Will not occur

### XI. Toxicological Information:

N/D

### XII. Ecological Information:

N/D

### XIII. Disposal Considerations:

DISPOSAL: This container may be recycled in a recycling centers when empty. Before offering for recycling, empty the can or bottle by using the product according to the label. If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with all local, state government and federal laws and regulations

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## ***XIV. Transport Information:***

Shipping information for containers less than one gallon:

DOT Shipping Name: Consumer Commodity

DOT Hazard Class: ORM-D

Shipping information for gallon containers and above:

DOT Shipping Name: Adhesive

DOT Hazard Class: 3

Identification Number: UN1133

Packaging Group: II

Label Required: Flammable Liquid

## ***XV. Regulatory Information:***

See Section 2 for SARA Reportable Chemicals.

USA TSCA: All components of this material are listed on the US TSCA Inventory.

## ***XVI. Other Information:***

Do not used in confined area without proper ventilation. Contact lenses may cause further damage in case of splash into eye.  
**KEEP AWAY FROM CHILDREN AND ANIMALS!**

N/E: Not Established

N/D: Not Determined

N/A: Not Applicable

N/AV: Not Available

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