

# MATERIAL SAFETY DATA SHEET

## Radiator Specialty Company

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POISON INFORMATION & EMERGENCY: 303-623-5716

### MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

### US DEPARTMENT OF LABOR

Occupational Safety and Health Administration.  
(Non-Mandatory Form) Form Approved OMB No. 1218-0072

### SECTION I GENERAL INFORMATION

<b>PRODUCT NAME</b>	TITE-SEAL® GASKET & JOINT SEALING COMPOUND # 3
<b>PART NUMBER</b>	T3 -04, -16

**NOTE:** Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

### SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT	WT%	C.A.S. NO.	TLV (ACGIH--X----OSHA-----)
Vegetable Oil	30-50	Not known	N/A
Isopropanol	15-25	67-63-0	400 ppm

#### Comments:

Components not identified are non-hazardous according to 29 CFR 1910.1200

### SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

<b>Specific Gravity (H<sub>2</sub>O=1)</b>	C. a. 1.1	<b>pH</b>	Neutral
<b>Solubility in Water</b>	Partially soluble	<b>Solubility in Solvent</b>	Lower Alcohols
<b>Flash Point (Method) - F<sup>0</sup></b>	60 <sup>0</sup> F.	<b>% Volatiles By Wt.</b>	C.a. 25%
<b>Melting Point - F<sup>0</sup></b>	N/A	<b>Boiling Point - F<sup>0</sup></b>	.N/A
<b>Vapor Pressure (mmHg)</b>	N/A	<b>Vapor Density (Air=1)</b>	N/A
<b>Evaporation Rate (Butyl Acetate=1)</b>	N/A		
<b>Appearance and Odor</b>	Brownish viscous liquid with alcoholic odor.		

### SECTION IV FIRE AND EXPLOSION HAZARD DATA

#### EXTINGUISHING MEDIA:

<b>Water Fog</b>	<b>Foam</b>	<b>CO<sub>2</sub></b>	<b>Dry Chemical</b>
	X	X	X

**SPECIAL FIRE FIGHTING PROCEDURES.** Wear self-contained, positive pressure breathing apparatus and protective clothes.

**UNUSUAL FIRE AND EXPLOSION HAZARDS** May produce dense smoke.

## SECTION V REACTIVITY DATA

Stable	X	Unstable	Corrosive	NO	Hazardous Polymerization?	Yes	No	X
<b>Incompatibilities</b> oxidizing agents / high temperatures								
<b>Hazardous Decomposition or Byproducts</b> Fire: normal products of combustion; carbon dioxide, carbon monoxide, smoke.								

## SECTION VI HEALTH HAZARD INFORMATION

<b>Recommended TLV of Product</b> 400 ppm	
<b>EYE CONTACT</b> May cause eye irritation and cornea damage. Product is adhesive.	<b>SKIN CONTACT</b> Excessive exposure may cause skin irritation.
<b>INHALATION</b> Excessive inhalation of alcohol solvent may cause headache, narcosis, irritate mucus membrane.	<b>INGESTION</b> Harmful if swallowed. Product is adhesive and may cause choking. (Not likely)
<b>OTHER</b> N/A	

## SECTION VII EMERGENCY AND FIRST AID PROCEDURES

<b>EYE CONTACT</b> Flush thoroughly with water for 15 minutes while lifting eyelids. Consult a physician if adverse effects persist.
<b>SKIN CONTACT</b> Wash thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
<b>INHALATION</b> Move to fresh air immediately. If breathing is difficult, administer oxygen; if breathing has stopped, apply artificial respiration. Keep warm and summon medical assistance.
<b>INGESTION</b> INDUCE VOMITING! Drink 2 glasses of milk! Get medical attention immediately!

## SECTION VIII SPECIAL PROTECTION INFORMATION

	CONSUMER	BULK HANDLING (Prolonged Exposure)
<b>RESPIRATORY PROTECTION</b>	N/A	If TLV is exceeded, wear NIOSH approved respirator.
<b>VENTILATION</b>	Use with adequate ventilation	General
<b>EYE PROTECTION</b>	N/A	Goggles
<b>PROTECTIVE CLOTHING</b>	N/A	Rubber gloves

## SECTION IX PRECAUTIONS FOR SAFE HANDLING AND USE

<b>SPILL OR LEAK PROCEDURE</b> Observing health hazards described above, remove ignition sources, ventilate area, flush with water and wipe up with rags. Transfer to waste drum. Wash stains with alkaline detergent.
<b>WASTE DISPOSAL METHOD</b> <i>Dispose of in accordance with all applicable government laws and regulations.</i>
<b>STORAGE AND HANDLING PRECAUTIONS</b> Store in a cool place below 120°F. away from acids, ignition sources and oxidizing agents.
<b>OTHER PRECAUTIONS</b> WEARING CONTACT LENSES IS INADVISABLE WHILE USING THIS PRODUCT! KEEP AWAY FROM CHILDREN AND ANIMALS! RESPECT ALL CHEMICALS!

HAZARD INFORMATION LABEL DATA	
HAZARD CODE	FLAMMABILITY
4- Extreme	2
3- High	2
2- Moderate	1
1- Slight	1
0- Negligible	0
HEALTH	SPECIAL

Supersedes JULY 1992

OSHA Revised AUG. 1996

Title K. PHILLIPS-CHEMIST

*While Radiator Specialty Company believes this data is accurate as of the revision date, we make no warranty with respect to the data and we expressly disclaim all liability for reliance thereon. The data is offered solely for information, investigation, and verification.*