

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

PRODUCT NAME	TITE-SEAL® GASKET & JOINT SEALING COMPOUND # 3
PART NUMBER	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

Specific Gravity (H₂O=1)	C. a. 1.1	pH	Neutral
Solubility in Water	Partially soluble	Solubility in Solvent	Lower Alcohols
Flash Point (Method) - F⁰	60 ⁰ F.	% Volatiles By Wt.	C.a. 25%
Melting Point - F⁰	N/A	Boiling Point - F⁰	.N/A
Vapor Pressure (mmHg)	N/A	Vapor Density (Air=1)	N/A
Evaporation Rate (Butyl Acetate=1)	N/A		
Appearance and Odor	Brownish viscous liquid with alcoholic odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA:

Water Fog	Foam	CO₂	Dry Chemical
	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
Incompatibilities		oxidizing agents / high temperatures						
Hazardous Decomposition or Byproducts		Fire: normal products of combustion; carbon dioxide, carbon monoxide, smoke.						

SECTION VI HEALTH HAZARD INFORMATION

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

SECTION VII EMERGENCY AND FIRST AID PROCEDURES

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

SECTION VIII SPECIAL PROTECTION INFORMATION

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

SECTION IX PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURE		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.						
WASTE DISPOSAL METHOD		<i>Dispose of in accordance with all applicable government laws and regulations.</i>						
STORAGE AND HANDLING PRECAUTIONS		Store in a cool place below 120°F. away from acids, ignition sources and oxidizing agents.						
OTHER PRECAUTIONS		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	2	REACTIVITY
4- Extreme			
3- High			
2- Moderate			
1- Slight			
0- Negligible			
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.