

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 CEMENT
PART NUMBER T12 - 02, -02V

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-----)
Isopropanol	30-50	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. 1.0	pH	Neutral
Solubility in Water	Partly soluble	Solubility in Solvent	Lower alcohols
Flash Point (Method) - F⁰	60 ⁰ F. (PM)	% Volatiles By Wt.	C. a. 40%
Melting Point - F⁰	N/A	Boiling Point - F⁰	C. a. 180 ⁰ F.
Vapor Pressure (mmHg)	N/A	Vapor Density (Air=1)	N/A
Evaporation Rate (Butyl Acetate=1)	N/A		
Appearance and Odor	Brown viscous liquid with alcoholic odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA:

Water Fog **Foam** X **CO₂** X **Dry Chemical** X

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

UNUSUAL FIRE AND EXPLOSION HAZARDS May emit dense acrid 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 monoxide, smoke, carbon dioxide									

SECTION VI HEALTH HAZARD INFORMATION

Recommended TLV of Product 400 ppm

EYE CONTACT May cause eye burns. Material is adhesive. **SKIN CONTACT** Irritant May cause dermatitis on prolonged exposure

INHALATION Excessive inhalation may cause headache irritation, nausea, narcosis **INGESTION** Harmful if swallowed. May experience cramps, nausea, diarrhea, or even death may result.

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 immediately.

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 If swallowed, induce vomiting. Consult physician immediately.

SECTION VIII SPECIAL PROTECTION INFORMATION

	CONSUMER	BULK HANDLING (Prolonged Exposure)
RESPIRATORY PROTECTION	NA	If TLV is exceeded, use NIOSH approved respirator
VENTILATION	Use with adequate ventilation	Local
EYE PROTECTION	NA	Safety glasses with side shields
PROTECTIVE CLOTHING	NA	Rubber Gloves and Apron

SECTION IX PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURE Observing health hazards described above, remove ignition sources, ventilate area, wipe up with rags or use dry absorbent. Transfer to waste drum.

WASTE DISPOSAL METHOD *Dispose of in accordance with all applicable government laws and regulations.*

STORAGE AND HANDLING PRECAUTIONS Store in a cool, dry place, keep away from oxidizing agents and ignition sources.

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 REACTIVITY	
4- Extreme	2	2
3- High	2	1
2- Moderate	1	
1- Slight		
0- Negligible		

HEALTH SPECIAL

Supersedes AUGUST 1996

OSHA Revised JANUARY 1999

Title R. GEER - 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.