



**MATERIAL SAFETY DATA SHEET**

CHEMTREC Phone No. (800) 424 - 9300

Victor Equipment Company  
2800 Airport Road  
Denton, Texas 76207

(940) 566 - 2000  
Fax: (940) 381 - 1265

This MSDS is based on air/fuel or oxy/fuel process.  
There may be other cautions for electric process.

Date Prepared: January 1, 1991  
Date Revised: March 1, 2007

Form Number: 0056-1305  
Core Part No: 0028-0008

Material Safety Data Sheet

**SECTION I - MATERIAL IDENTIFICATION**

Product Name: Loctite 8531 (0028-0008)  
Product use: Bearing Mount / Grade B

**SECTION II - HAZARDOUS INGREDIENTS**

OSHA Hazardous Components (29 CFR 1910.1200) EXPOSURE LIMITS: 8 HR. TWA

	OSHA PEL	ACGIH TLV
Polyglycol dimethacrylate	(CAS# 25852-47-5)	No Data Established
Polyglycol dioctanoat	(CAS# 18268-70-7)	No Data Established
Cumene hydroperoxide	(CAS# 80-15-9)	No Data Established
Cellulose ester	(CAS# 9004-36-8)	No Data Established
Saccharin	(CAS# 81-07-2)	No Data Established
N,N-Dialkyltoluidines	(CAS# 613-48-9)	No Data Established

**SECTION III - HAZARDS IDENTIFICATIONS**

“Warning: This product contains or produces a chemical known to the State of California to cause cancer. (California Health & Safety Code Sec. 25249.5 *et seq.*)”

**EMERGENCY OVERVIEW:** Causes skin and eye irritation. At elevated temperatures, may cause irritation of the eyes and respiratory tract.

**POTENTIAL HEALTH EFFECTS:**

**INHALATION:** No hazard in normal industrial use.

**EYE CONTACT:** Contact may cause eye irritation.

**SKIN CONTACT:** Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**INGESTION:** Irritating to mouth, throat and stomach.

## Loctite 8531

**CHRONIC:** Suspect cancer hazard which may cause cancer - contains saccharin.

**CARCINOGENICITY:** LISTED IN NTP? Yes IARC? Yes OSHA Regulated? No

---

### SECTION IV - FIRST AID MEASURES

---

- INHALATION:** No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of mists or vapors, remove to fresh air and get medical attention if cough or other symptoms develop.
- EYE CONTACT:** Immediately flush eyes with plenty of water. Get medical attention if irritation persists.
- SKIN CONTACT:** Remove contaminated clothing. Wash skin with soap and water. Get medical attention.
- INGESTION:** If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

---

### SECTION V - FIRE FIGHTING MEASURES

---

**Flashpoint (Method):** >200°F (Closed Cup)  
**Flammable Limits:** Lower: ND Upper: ND  
**Autoignition Temperature:** ND

- GENERAL HAZARD:** Material will not burn. During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion.
- FIRE FIGHTING INSTRUCTIONS:** As in any fire, wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.
- EXTINGUISHING MEDIA:** Use foam, carbon dioxide, or water spray when fighting fires involving this material.
- HAZARDOUS COMBUSTION PRODUCTS:** Smoke, oxides of carbon.

---

### SECTION VI - ACCIDENTAL RELEASE MEASURES

---

- LAND SPILL:** Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.
- WATER SPILL:** Remove from water surface with suitable absorbent. Do not flush to sewer.

---

### SECTION VII - HANDLING AND STORAGE

---

Wash hands before eating. Use with adequate ventilation. Avoid prolonged or repeated contact with skin. Do not reuse this container. Keep away from heat and flame. Store in a cool dry place.

---

### SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

---

## Loctite 8531

- ENGINEERING CONTROLS:** Good general ventilation should be sufficient to control airborne levels.
- PERSONAL PROTECTION:** Not normally needed under industrial use.
- PROTECTIVE CLOTHING:** Wear safety glasses with side shields (or goggles) and a face shield.

---

### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

---

Vapor Pressure:	<5 mmHg @ 25°F	Vapor Density (Air=1):	NA
Specific Gravity:	1.066	Evaporation Rate	
Solubility in Water:	Negligible	(n-Butyl Acetate=1):	NA
pH:	NA	Freezing Point:	ND
Boiling Point:	>300°F		
Appearance & Odor:	Yellow liquid with mild odor.		

---

### SECTION X - STABILITY AND REACTIVITY

---

**GENERAL:** Stable

**INCOMPATIBLE MATERIALS:** Oxidizers.

**CONDITIONS TO AVOID:** None

**HAZARDOUS POLYMERIZATION:** Will not occur.

---

### SECTION XI - TOXICOLOGICAL INFORMATION

---

No data established for components

---

### SECTION XII - ECOLOGICAL INFORMATION

---

No data available.

---

### SECTION XIII - DISPOSAL CONSIDERATIONS

---

Classification required before disposal. Follow all applicable federal, state, and local regulations.

---

### SECTION XIV - TRANSPORTATION INFORMATION

---

**PROPER SHIPPING NAME:** Bearing Mount, not regulated.

**HAZARD CLASS:** None

**IDENTIFICATION NUMBER:** None

**DOT Emergency Guide #:** None

**Reportable Quantity (RQ):** None

---

### SECTION XV - REGULATORY INFORMATION

---

**TSCA (Toxic Substance Control Act)** All components are listed on the TSCA inventory.

# Loctite 8531

**CERCLA (Comprehensive Environmental Response, Compensation and Liability Act):**  
None.

We recommend that you contact local authorities for other reporting requirements.

**SARA TITLE III (Superfund Amendments and Reauthorization Act):**

311/312 Hazard Categories: Acute

313 Reportable Ingredients: Saccharin(3%), Cumene hydroperoxide (3%)

---

## SECTION XVI - OTHER INFORMATION

---

**PREPARED BY:**

**TALEM, Inc. - Technical Services Division**

**(817) 335 - 1186**

---

### FOOTNOTES:

NA - Not Applicable    NE - Data Not Established    CS - Cancer Suspect Agent    OX - Oxidizer    ND - No Data    Cor - Corrosive  
CALC - Calculated    EST - Estimated    STEL - Short Term Exposure Limit    TLV - Threshold Limit Value

PEL - Permissible Exposure Limit    TWA - Time Weighted Average, 8 hours

THE INFORMATION RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE. NEITHER THE SELLER NOR PREPARER MAKES ANY WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE INFORMATION PRESENTED.