

MATERIAL SAFETY DATA SHEET

Chemical Product and Company Identification

LABEL IDENTIFIER: Loctite® 290 THREADLOCKER

PRODUCT IDENTIFIER: P/N 600469 Sealant, Thread Locking

COMPANY IDENTIFICATION: MINE SAFETY APPLIANCES COMPANY
1100 Cranberry Woods Drive
Cranberry Township, PA 16066
CUSTOMER SERVICE: 1-800-MSA-2222 (8:30 a.m. – 5:00 p.m., USA local time)
EMERGENCY: 1-800-255-3924 (CHEM-TEL, INC.)

Vendor Information

A Material Safety Data Sheet as furnished by the Loctite Corporation for 290 Adhesive/Sealant is attached (2 Pages).

Loctite Corporation MSDS REVISION DATE: 1/3/95

Other Information

WARNING: This is a hazardous chemical product. By following the directions and warnings provided with this product, the hazards associated with the use of this product can be greatly reduced but never entirely eliminated. Mine Safety Appliances Company makes no warranties, expressed or implied, with respect to this product and EXPRESSLY DISCLAIMS THE WARRANTY OF MERCHANTABILITY AND ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. Users assume all risks in handling, using, or storing this product.



MATERIAL SAFETY DATA SHEET

1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067-3910
Emergency Phone (203) 571-5100
Fax: (203) 571-5465

I. PRODUCT IDENTIFICATION		PRODUCT NO.: 290
PRODUCT NAME:	290 Adhesive/Sealant	Issued: 5/1/95
ITEM NUMBERS:	29005, 29021, 29031, 29041	
PRODUCT TYPE:	Anaerobic	

II. COMPOSITION

Ingredients	CAS No.	%
Polyglycol dimethacrylate	25852-47-5	90-95
CUMENE HYDROPEROXIDE*	80-15-9	3-5
SACCHARIN	81-07-2	1-3
N,N-Dialkyltoluidines	613-48-9	0.1-1

* This component is listed as a SARA Section 313 Toxic Chemical.

III. CHEMICAL AND PHYSICAL PROPERTIES

Vapor Pressure:	Less than 5mm at 80°F
Vapor Density:	Not available
Solubility in Water:	Slight
Specific Gravity:	1.07 at 80°F
Boiling Point:	More than 300°F
Volatile Organic Compound (EPA Method 24)	12.6%; 135 grams per liter
Evaporation Rate (Ether = 1)	Not available
pH:	Does not apply
Appearance:	Green liquid
Odor:	Mild

IV. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flash Point:	More than 200°F	Method: Tag Closed Cup
Estimated NFPA Code:		
Health Hazard:	1	
Fire Hazard:	1	
Reactivity Hazard:	1	
Specific Hazard:	Does not apply	
Estimated HMIS Code:		
Health Hazard:	1	
Flammability Hazard:	1	
Reactivity Hazard:	1	
Personal Protection:	See Section X.	
Explosive Limits:		
(% by volume in air) Lower	Not available	
(% by volume in air) Upper	Not available	
Recommended Extinguishing Agents:	Carbon dioxide, foam, dry chemical	
Hazardous Products Formed by Fire or Thermal Decomp	Irritating organic vapors	
Unusual Fire or Explosion Hazards:	None	
Compressed Gases:	None	
Pressure at Room Temp.:	Does not apply	

V. SPILL OR LEAK AND DISPOSAL PROCEDURES

Steps to be taken in case of spill or leak:	Soak up with an inert absorbent. Store in partly filled, closed container until disposal.
Recommended methods of disposal:	Incinerate following EPA and local regulations.

VI. STORAGE AND HANDLING PROCEDURES

Safe Storage:	Store below 100°F.
(Contact Loctite Customer Handling:	Service 1-800-243-4874 for Shelf Life Information)
	Avoid prolonged skin contact. Keep away from eyes.

VII. SHIPPING REGULATIONS

DOT (49 CFR 172)	
Domestic Ground Transport	
Proper Shipping Name:	Unrestricted
Hazard Class or Division:	Unrestricted
Identification Number:	None
Marine Pollutant:	None
IATA	
Proper Shipping Name:	Unrestricted
Class or Division:	Unrestricted
UN or ID Number:	None

LOCTITE CORPORATION

1001 TROUT BROOK CROSSING
ROCKY HILL, CT 06067-3910
EMERGENCY PHONE: (203) 571-5100 FAX: (203) 571-5465

MATERIAL SAFETY DATA SHEET

Page 2 of 2

Product Name: 290 Adhesive/Sealant
Item No.: 29005, 29021, 29031, 29041

VIII. REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Will not occur.
Hazardous Decomposition:
Products (non-thermal): None
Incompatibility: None

IX. EMERGENCY TREATMENT PROCEDURES

Ingestion: Do not induce vomiting. Keep individual calm.
Inhalation: Obtain medical attention.
Skin Contact: Does not apply
Eye Contact: Wash with soap and water.
Flush at least 15 minutes with water.

X. PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
Skin: Neoprene, rubber, or Butyl rubber gloves.
Ventilation: Does not apply

XI. HEALTH HAZARD DATA

Toxicity: Estimated oral LD50 more than 10000 mg/kg.
Estimated dermal LD50 more than 5000 mg/kg.
Primary Routes of Entry: None known
Signs and Symptoms of Exposure: May cause dermatitis on prolonged contact in sensitive individuals.
Existing Conditions Aggravated by Exposure: None known

Exposure Limits (TWA)	ACGIH	OSHA	OTHER
Ingredients	(TLV)	(PEL)	

Exposure Limits (STEL)	ACGIH	OSHA
Ingredients	(TLV)	(PEL)

Ingredients for which no Exposure Limits have been established are not listed above.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Polyglycol dimethacrylate	ALG IRR	NO	NO	NO
CUMENE HYDROPEROXIDE	ALG CNS COR IRR MUT	NO	NO	NO
SACCHARIN	No Data	YES	2B	NO
N,N-Dialkyltoluidines	No Data	NO	NO	NO

Abbreviations

2B Possibly carcinogenic to humans	ALG Allergen
CNS Central nervous system	COR Corrosive
IRR Irritant	MUT Mutagen

XII. REGULATORY COMPLIANCE

CA Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
(ppb levels of Arsenic, Cd, Pb, Ni).

This product contains Saccharin. No Prop65 hazard warning is necessary if this product is used as reasonably anticipated.

XIII. PREPARATION INFORMATION

Prepared By: Stephen Repetto
Title: Research Chemist, Environmental Health & Safety
Company: Loctite Corp., 1001 Tr Br Cr, Rocky Hill CT 06067
(24hr.) Phone: (203) 571-5100
Revision Date: January 03, 1995
Revision: 0024