

MSDS Data

PERMATEX NEVER SEEZ LUBRICATING COMPOUND

PS02325

Cherry Point Information

ARCO Hazard Rating:

Health	Fire	Reactivity
1	1	0

4-Extreme, 3-High, 2-Moderate,
1-Slight, 0-No Significant Hazard

ARCO Hazard Warning:

Combustible
Irritant

Nickname(s):

*** End of Cherry Point Information ***

GENERAL INFORMATION (IDENTIFICATION DATA)

DATE: 9501 CP

BOSTIK, INC.
BOSTON STREET
MIDDLETON, MA 01949 USA
TELEPHONE: 508-777-0100 FAX: 508-750-7212

DATE PREPARED: 01/18/1995
057640 0003020

PRODUCT: NEVER SEEZ REGULAR GRADE
CHEMICAL FAMILY: ANTI-SEIZE COMPOUND (MIXTURE)

HEALTH & FIRST AID (HEALTH HAZARD DATA)

THE INFORMATION SHOWN BELOW REFERS GENERALLY TO A COMPONENT OF THE PRODUCT BUT AS REQUIRED BY OSHA 1910.1200 THE HAZARDS OF ANY INGREDIENT MUST BE EXTENDED TO THE PRODUCT AS A WHOLE UNLESS TESTING OF THE PRODUCT HAS BEEN PERFORMED. THE U.S. AMERICAN NATIONAL STANDARD (INSI) Z129.1-1982 WAS USED AS A GUIDE WHEN THIS MSDS WAS WRITTEN.

INGESTION: NO HAZARD KNOWN AT THIS TIME.
ABSORPTION: NO HAZARD KNOWN AT THIS TIME.
INHALATION: HAZARDOUS IF INHALED. INGREDIENT HAS AN LC50 OF 1500-2500 PPM OR 500-2500 MG/M3 OR IS REGULATED BY A TLV OR PEL.
CONTACT: INGREDIENT CAUSES EYE AND/OR SKIN IRRITATION.
CORROSION: NO HAZARD KNOWN AT THIS TIME.
FLAMMABILITY: CONTAINS A FLAMMABLE SOLID.

FIRST AID:

INHALATION: IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLE MOUTH TO MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.
CONTACT: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.

IN CASE OF FIRE, USE EXTINGUISHING AGENTS RECOMMENDED.

SYMPTOMS OF OVEREXPOSURE: IRRITATION. DRY THROAT. MUCOUS MEMBRANE IRRITATION. WEAKNESS. COUGHING. NAUSEA. FEVER.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: ASTHMA, RESPIRATORY DISEASE.
ENTRY ROUTE: CONTACT, INHALATION.

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CHRONIC EFFECTS: LONG TERM OVEREXPOSURE TO THE HAZARDOUS MATERIALS IN THIS PRODUCT HAVE BEEN ASSOCIATED WITH DERMATITIS, EMPHYSEMA, PLUMONARY FIBROSIS.

TARGET ORGANS: EYES, KIDNEYS, LIVER, RESPIRATORY SYSTEM, SKIN, LUNGS.
NONE OF THE INGREDIENTS IN THIS PRODUCT ARE ON THE IARC, NTP, OR OSHA LISTS OF CARCINOGENIC HAZARDS.

COMPOSITION & EXPOSURE LIMITS (HAZARDOUS INGREDIENTS)

	CAS NO.:	% WEIGHT	TLV UNITS*
SYNTHETIC GRAPHITE		21.6%	5 MG/M3
	7782-42-5		
COPPER POWDER		15.0%	1 MG/M3
COPPER FLAKE POWDER	7440-50-8		
ZINC OXIDE		2.3%	5 MG/M3
	1314-13-2		
ALUMINUM FLAKE		2.7%	5 MG/M3
ALUMINUM	7429-90-5		

* NUMBERS SHOWN REPRESENT THE LOWER OF THE OSHA PEL OR THE ACGIH TLV. COMMON OR TRADE NAMES ARE SHOWN ON THE LINE UNDER THE CHEMICAL NAME, THEY ARE NOT SHOWN IF THEY ARE THE SAME AS THE CHEMICAL NAME.

FIRE & EXPLOSION HAZARD DATA

FLASH POINT..... 582 DEG F OPEN CUP
LOWER EXPLOSIVE LIMIT..... NOT AVAILABLE
UPPER EXPLOSIVE LIMIT..... NOT AVAILABLE
AUTOIGNITION POINT (VAPORS)..... NOT AVAILABLE
AUTOIGNITION POINT (SOLIDS)..... NOT AVAILABLE
SPECIAL FIRE FIGHTING PROCEDURES &
UNUSUAL FIRE & EXPLOSION HAZARDS.. NONE KNOWN TO BOSTIK.
EXTINGUISHING MEDIA..... WATER SPRAY, FOAM, DRY CHEMICAL, CARBON DIOXIDE

REACTIVITY DATA

STABILITY: STABLE
MATERIALS TO AVOID: STRONG MINERAL ACIDS, MAGNESIUM.
HAZARDOUS DECOMPOSITION PRODUCTS:
 UNKNOWN DUE TO THE COMPLEX NATURE OF THIS MATERIAL. FUMES FROM COMPLETE OR INCOMPLETE COMBUSTION OF THIS MATERIAL MAY INCLUDE CARBON MONOXIDE, WATER VAPOR, OXIDES OF NITROGEN OR A WIDE VARIETY OF INNOCUOUS OR TOXIC FUMES.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

PHYSICAL & CHEMICAL DATA (PHYSICAL DATA)

VAPOR PRESSURE IN MM HG..... NOT AVAILABLE
BOILING POINT IN DEGS F..... NOT AVAILABLE

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ARE BASED ON INFORMATION OR TESTS WHICH BOSTIK BELIEVES TO BE RELIABLE. HOWEVER, BOSTIK CANNOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE BUYER SHOULD CONDUCT HIS OWN TESTS OF THIS PRODUCT BEFORE USE TO DETERMINE PROPER PREPARATION TECHNIQUE AND SUITABILITY FOR THE PROPOSED APPLICATION. BOSTIK'S SALE OF THIS PRODUCT IS LIMITED TO THE TERMS AND CONDITIONS SET FORTH ON BOSTIK'S ORDER ACKNOWLEDGEMENT.

TO SUMMARIZE, BOSTIK'S ONLY WARRANTY IS THAT THE PRODUCT CONFORMS WITH ITS WRITTEN SPECIFICATIONS, AND IS FREE FROM DEFECTS UNDER NORMAL USAGE; AND BOSTIK'S ONLY OBLIGATION FOR NON-COMPLIANCE WITH THIS WARRANTY IS TO REPLACE THE PRODUCT OR REFUND THE BUYER'S PURCHASE PRICE. BOSTIK DISCLAIMS THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO CASE WILL BOSTIK BE LIABLE FOR DIRECT, CONSEQUENTIAL, ECONOMIC OR OTHER DAMAGES, EXCEPT FOR THE REPLACEMENT OR REFUND AS SET FORTH ABOVE.

ADDITIONAL NOTICE.....
THIS MSDS MEETS THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) AND 40 CFR 372. IF ANY TOXIC CHEMICAL (SUBPART D OF PART 372, SECTION 372.65) IS PRESENT IN THIS PRODUCT IN EXCESS OF THE DEMINIMUS CONCENTRATIONS LISTED IN SUBPART B OF PART 372, SECTION 372.38, ITS IDENTITY, CAS REGISTRY NUMBER AND CONCENTRATIONS BY WEIGHT WILL BE FOUND IN SECTION II OF THIS MSDS UNDER HAZARDOUS INGREDIENTS.

IN CASE OF EMERGENCY, CALL 1-800-227-0332

PREPARED BY: D.C. MOLBERG, 01-18-1995
SUPERCEDES MSDS PREPARED: 01-05-1995

From: Loctite Corporation at 8605712595

83-24-00 12:17 pm 002 of 013

LOCTITE CORPORATION

1001 TROUT BROOK CROSSING
ROCKY HILL, CT 06067-3910
EMERGENCY PHONE: (860) 571-5100

ISSUED 3/24/00
12:13:45
FAX: (860) 571-5465

MATERIAL SAFETY DATA SHEET

Page 1 of 3

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Pipe Joint Compound
Item No.: 80045
Part No.: 51D
Product Type: Sealant

*Permatex
51D*

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Clay	1332-58-7	30-35
Vegetable oil	60435-93-0	20-25
ISOPROPYL ALCOHOL	67-63-0	15-20
Rosin	8050-09-7	15-20
TALC	14807-96-6	5-10
Soybean derivative	9002-43-5	1-3
CARBON BLACK	1333-86-4	0.1-1

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Clay	2 mg/m3 dust	10 mg/m3 dust	None
Vegetable oil	10 mg/m3 mist	5 mg/m3 respir. 15mg/m3 mistdust	None
ISOPROPYL ALCOHOL	400 ppm TWA	5mg/m3 mist resp 400 ppm TWA	400 ppm TWA
TALC	993 mg/m3 2 mg/m3 TWA	990 mg/m3 2 mg/m3 TWA	DuPont PEL None
CARBON BLACK	3.5 mg/m3 TWA	respirable dust 3.5 mg/m3 TWA	5ppm
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	
ISOPROPYL ALCOHOL	500 ppm 1230 mg/m3	500 ppm 1225 mg/m3	

3. HAZARDS IDENTIFICATION

Toxicity: Eye irritant.
Oral LD50 greater than 5000 mg/kg (estimated)
Primary Routes of Entry: Inhalation, ingestion, contact.
Signs and Symptoms of Exposure: Vapor above TLV is irritating to eyes, nose, and throat and can cause headache, nausea, and dizziness.
Existing Conditions Aggravated by Exposure: Skin, eye, and respiratory disorders.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Clay	NUI	NO	NO	NO
Vegetable oil	No Data	NO	NO	NO
ISOPROPYL ALCOHOL	ALG BLD CNS IRR KID	NO	N/A	NO
Rosin	ALG IRR RES	NO	NO	NO
TALC	IRR LUN SOM	NO	N/A	NO
Soybean derivative	NTD	NO	NO	NO
CARBON BLACK	RES	NO	ZB	NO

Abbreviations

N/A Not Applicable
ALG Allergen
CNS Central nervous system
KID Kidney
NTD No Target Organs
RES Respiratory
ZB Possibly carcinogenic to humans
BLD Blood
IRR Irritant
LUN Lung
NUI Nuisance dust
SOM Evidence of some carcinogenicity

