

LOCTITE CORPORATION

09/11/96

ROCKY HILL, CONNECTICUT 06067  
EMERGENCY PHONE: (860) 571-5100

MATERIAL SAFETY DATA SHEET

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Duro(TM) Liquid Steel Filler  
80222

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Duro(TM) Liquid Steel Filler  
Item No.: 80222  
Part No.: LS-1  
Product Type: Sealer/Filler

## 2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%	
Barium sulfate	7727-43-7	45-50	
Clay	1332-58-7	20-25	
ACETONE	67-64-1	10-15	
ISOBUTYL ACETATE	110-19-0	5-10	
Synthetic resin	25086-48-0	5-10	
BIS (2-ETHYLHEXYL) PHTHALATE*	117-81-7	0.1-1	
CARBON BLACK	1333-86-4	0.1-1	
PROPYLENE OXIDE*	75-56-9	0.1-1	
SILICA, AMORPHOUS, precipitated	112926-00-8	0.1-1	

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

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Barium sulfate	10 mg/m <sup>3</sup> dust	10 mg/m <sup>3</sup> dust	None

	5 mg/m3 respir.			
Clay	2 mg/m3 dust	10 mg/m3 dust	None	
	5 mg/m3 respir.			
ACETONE	750 ppm TWA	750 ppm TWA	None	
	1780 mg/m3	1800 mg/m3		
ISOBUTYL ACETATE	150 ppm TWA	150 ppm TWA	None	
	713mg/M3	700mg/M3		
BIS (2-ETHYLHEXYL) PHTHALATE	5 mg/m3 TWA	5 mg/m3 TWA	None	
CARBON BLACK	3.5 mg/m3 TWA	3.5 mg/m3 TWA	5ppm	
PROPYLENE OXIDE	20 ppm TWA	20 ppm TWA	5 ppm	
	48 mg/m3	50 mg/m3	6 ppm STEL	
SILICA, AMORPHOUS, precipitated	10 mg/m3 TWA	6 mg/m3 TWA	None	

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2. COMPOSITION, INFORMATION ON INGREDIENTS (continued)

Exposure Limits (STEL)	ACGIH	OSHA
Ingredients	(TLV)	(PEL)
ACETONE	1000 ppm	1000 ppm
	2380 mg/m3	2400 mg/m3
BIS (2-ETHYLHEXYL) PHTHALATE	10 mg/m3	10 mg/m3



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### 3. HAZARDS IDENTIFICATION

(continued)

RES Respiratory

### 4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm.  
Obtain medical attention.

Inhalation: Remove to fresh air. If symptoms persist, obtain  
medical attention.

Skin Contact: Wash with soap and water.

Eye Contact: Flush with water for at least 15 minutes. Obtain  
medical attention.

### 5. FIRE FIGHTING MEASURES

Flash Point: 0°F Method: Tag Closed Cup

Recommended

Extinguishing Agents: Carbon dioxide, foam, dry chemical

Hazardous Products formed

by Fire or Thermal Decomp Oxides of carbon; hydrogen chloride

Unusual Fire or

Explosion Hazards: Vapors may ignite explosively.

Explosive Limits:

(% by volume in air)Lower 2.4%

(% by volume in air)Upper 12.8%

## 6. ACCIDENTAL RELEASE MEASURES

### Steps to be taken in case

of spill or leak: Remove sources of ignition. Maintain adequate ventilation. Take up with an inert absorbent. Store in a closed container until disposal.

## 7. HANDLING AND STORAGE

Safe Storage: Keep away from fire, heat, sparks.  
(Contact Loctite Customer Service 1-800-243-4874 for shelf Life information)

Handling: Keep away from eyes. Avoid prolonged breathing of vapor and contact with skin. Close container after use.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.

Skin: Rubber or plastic gloves.

Ventilation: Sufficient to maintain vapor concentration below TLV.

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## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

(continued)

See Section 2 for Exposure Limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black liquid  
Odor: Penetrating  
Boiling Point: 130°F to 245°F  
pH: Does not apply  
Solubility in Water: Partial  
Specific Gravity 1.85  
Volatile Organic Compound  
(EPA Method 24) Not available  
Vapor Pressure: 181 mm at 68°F  
Vapor Density: More than 1  
Evaporation Rate  
(Ether = 1) Not available

## 10. STABILITY AND REACTIVITY

Stability: Stable  
Hazardous Polymerization: Will not occur  
Incompatibility: Oxidizing agents, strong alkalies, strong mineral acids, reducing agents.  
Hazardous Decomposition  
Products (non-thermal): None

## 11. TOXICOLOGICAL INFORMATION

See Section 3.

## 12. ECOLOGICAL INFORMATION

No data available

## 13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.  
EPA Hazardous Waste  
Number D001/D005 - Hazardous waste per 40CFR 261.21 and may be a TCLP waste per 40CFR.24/Barium

## 14. TRANSPORT INFORMATION

DOT (49 CFR 172)  
Domestic Ground Transport  
Proper Shipping Name: Consumer Commodity (Not more than one liter);

Adhesives (More than one liter)

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14. TRANSPORT INFORMATION

(continued)

Hazard Class or

Division: ORM-D (Not more than one liter);  
Class 3, Packing Group II (More than one liter)

Identification Number: None (Not more than one liter);  
UN 1133 (More than one liter)

Marine Pollutant: None

IATA

Proper Shipping Name: Consumer Commodity (Not more than 500 ml);  
Adhesives (More than 500 ml)

Class or Division: Class 9 (Not more than 500 ml);  
Class 3, Packing Group II (More than 500 ml)

UN or ID Number: ID 8000 (Not more than 500 ml);  
UN 1133 (More than 500 ml)

15. REGULATORY INFORMATION

CA Proposition 65: WARNING: This product contains a chemical known to  
the State of California to cause cancer.  
Di(2-Ethylhexyl)Phthalate (DEHP)  
Ethylene Oxide

16. OTHER INFORMATION

Estimated NFPA(R) Code:

Health Hazard: 3  
Fire Hazard: 3  
Reactivity Hazard: 0  
Specific Hazard: Does not apply

Estimated HMIS(R) Code:

Health Hazard: 3  
Flammability Hazard: 3  
Reactivity Hazards: 0  
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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