

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

## MATERIAL SAFETY DATA SHEET

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Loctite(R) Extend(R) Rust Treatment  
30539

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite(R) Extend(R) Rust Treatment  
Item No.: 30539  
Product Type: Aerosol Coating

## 2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
ACETONE	67-64-1	30-60
DIMETHYL ETHER	115-10-6	30-60
2-BUTOXYETHANOL*	111-76-2	1-10
FORMIC ACID*	64-18-6	1-5

\* 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
ACETONE	500 ppm TWA 1188 mg/m3	1000 ppm TWA 2400 mg/m3	None
2-BUTOXYETHANOL	20 ppm	50 ppm TWA skin 120mg/m3 skin	None
FORMIC ACID	5 ppm TWA	5 ppm TWA 9 mg/m3	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	
ACETONE	750 ppm 1782 mg/m3	None	
FORMIC ACID	10 ppm	None	

## 3. HAZARDS IDENTIFICATION

Toxicity: Irritation of eyes, skin and respiratory system.  
May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.  
Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, and blood forming systems.

Primary Routes of Entry: Exposure may be by inhalation and/or skin or eye contact, depending on conditions of use.

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3. HAZARDS IDENTIFICATION

(continued)

Signs and Symptoms

of Exposure: Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

Existing Conditions

Aggravated by Exposure: None generally recognized.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
ACETONE	BLO CNS IRR	NO	NO	NO
DIMETHYL ETHER	CNS IRR	NO	NO	NO
2-BUTOXYETHANOL	BLO CNS IRR KID	NO	NO	NO
FORMIC ACID	CNS COR IRR KID MET	NO	NO	NO

Abbreviations

BLO Blood  
 COR Corrosive  
 KID Kidney  
 CNS Central nervous system  
 IRR Irritant  
 MET Metabolic

4. FIRST AID MEASURES

Ingestion: Never give anything by mouth to an unconscious person. Do not induce vomiting. Get medical attention.

Inhalation: If affected, remove from exposure. Get medical attention if symptoms develop and persist.

Skin Contact: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before reuse.

Eye Contact: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: Less than 0°F (Propellant) Method: Tag closed cup  
 Recommended  
 Extinguishing Agents: Carbon dioxide, foam, dry chemical  
 Special Firefighting  
 Procedures: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles

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## 5. FIRE FIGHTING MEASURES

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are preferable. Water may be used to cool containers to prevent pressure build up and possible autoignition or explosion when wxposed to extreme heat.

Hazardous Products formed  
by Fire or Thermal Decomp  
Unusual Fire or

Irritating organic vapors; oxides of carbon.

Explosion Hazards:

Closed containers may explode (due to build-up of pressure) when exposed to extreme heat. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may expode when exposed to extreme heat. Application to hot requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent.

Explosive Limits:

(% by volume in air)Lower 1.1%  
(% by volume in air)Upper 57.0%

## 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case  
of spill or leak:

Remove all sources of ignition. Maintain good ventilation. Soak up with an inert absorbent. Store in a closed container until disposal.

## 7. HANDLING AND STORAGE

Safe Storage:

Keep away from heat, sparks, and open flame.

(Contact Loctite Customer

Service 1-800-243-4874 for shelf life information)

Handling:

Keep away from heat, sparks or open flame. Vapors will accumulate readily and may ignite explosively. Keep away from eyes. Avoid breathing of vapor and mists. Avoid skin contact. During use and until all vapors are gone: Keep area ventilated. Do not smoke. Extinguish all flames, pilot lights, and heaters. Turn off stoves, electric tools and appliances, and other sources of ignition. Consult NFPA Code. Use approved bonding and grounding procedures. Do not puncture, incinerate, or expose to temperature above 120°F. Heat from sunlight radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children

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## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Wear safety spectacles with unperforated sideshields.

Skin: Chemical resistant gloves.

Ventilation: Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

Respiratory: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II. When sanding, wirebrushing, abrading burning or welding the dried film, wear a particulate respirator approved by OSHA/MSHA for protection against non-volatile materials in Section II.

See Section 2 for Exposure Limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light brown liquid

Odor: Pungent

Boiling Point: Range: Less than 0°F to 343°F.

pH: Not available

Solubility in Water: Not available

Specific Gravity: 0.75

Volatile Organic Compound (EPA Method 24): 50.4% volatile weight (Less federally exempt solvents)  
377 grams per liter total

Vapor Pressure: Not available

Vapor Density: More than 1 (heavier than air)

Evaporation Rate (Ether = 1): Faster than ether

## 10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility: None

Conditions to Avoid: None known

Hazardous Decomposition Products (non-thermal): None

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## 11. TOXICOLOGICAL INFORMATION

See Section 3.

## 12. ECOLOGICAL INFORMATION

No data available

## 13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Do not incinerate. Depressurize container. Dispose of in accordance with federal, state and local regulations.

EPA Hazardous Waste Number: D001 - Hazardous waste per 40CFR 261.21

## 14. TRANSPORTATION INFORMATION

## DOT (49 CFR 172)

## Domestic Ground Transport

Proper Shipping Name: Consumer Commodity  
Hazard Class or Division: ORM-D  
Identification Number: None  
Marine Pollutant: None

## IATA

Proper Shipping Name: Consumer Commodity (Not more than 500 ml);  
Aerosols, flammable (More than 500 ml)  
Class or Division: Class 9 (Not more than 500 ml);  
Division 2.1 (More than 500 ml)  
UN or ID Number: ID 8000 (Not more than 500 ml);  
UN 1950 (More than 500 ml)

## 15. REGULATORY INFORMATION

CA Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.  
Benzene (trace amount)  
Formaldehyde (trace amount)  
Acetaldehyde (trace amount)

## 16. OTHER INFORMATION

Estimated NFPA(R) Code:  
Health Hazard: 2  
Fire Hazard: 3  
Reactivity Hazard: 1

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16. OTHER INFORMATION

(continued)

Specific Hazard: Does not apply

Estimated HMIS(R) Code:

Health Hazard: 2\*  
Flammability Hazard: 3  
Reactivity Hazards: 1  
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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