

AVON, OH 44011  
 TELEPHONE: (440) 937-7000

## MATERIAL SAFETY DATA SHEET

Page 01 of 06

LOCTITE EXTEND RUST NEUTRALIZER AEROSOL 10.25OZ  
 633877

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: LOCTITE EXTEND RUST NEUTRALIZER AEROSOL 10.25OZ  
 Item No.: 633877  
 Product Type: Aerosol Coating

## 2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
ACETONE	67-64-1	35-40
DIMETHYL ETHER	115-10-6	35-40
2-BUTOXYETHANOL*	111-76-2	1-10
Vinyl Terpolymer	27360-07-2	<10

\* 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 TWA skin	50 ppm TWA skin 120mg/m3 skin	None
FORMIC ACID	5 ppm TWA	5 ppm TWA 9mg/ 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.  
 Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.  
 Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, and blood forming systems.

AVON, OH 44011  
TELEPHONE: (440) 937-7000

MATERIAL SAFETY DATA SHEET

Product Name: LOCTITE EXTEND RUST NEUTRALIZER AEROSOL 10.25 OZ  
Item No.: 633877

3. HAZARDS IDENTIFICATION (continued)

Primary Routes of Entry: Exposure may be by inhalation and/or skin or eye contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

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-BUTOXYTETHANOL	AC3 BLO CNS IRR KID LIV	NO	NO	NO
FORMIC ACIE	CNS COR IRR KID MET	NO	NO	NO

Abbreviations

N/A Not Applicable	BLO Blood
CNS Central nervous system	COR Corrosive
IRR Irritant	KID Kidney
LIV Liver	NTO No Target Organs
AC3 ACGIGH animal carcinogen	MET Metabolic

4. FIRST AID MEASURES

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

Inhalation: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

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.

AVON, OH 44011  
TELEPHONE: (440) 937-7000

## MATERIAL SAFETY DATA SHEET

Page 03 of 06

Product Name: LOCTITE EXTEND RUST NEUTRALIZER AEROSOL 10.25 OZ  
Item No.: 633877

## 5. FIRE FIGHTING MEASURES

Flash Point: N/A  
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 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 Irritating organic vapors; oxides of carbon.

Unusual Fire or  
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 N/A  
(% by volume in air)Upper N/A

## 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.

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

AVON, OH 44011  
TELEPHONE: (440) 937-7000

## MATERIAL SAFETY DATA SHEET

Page 04 of 06

Product Name: LOCTITE EXTEND RUST NEUTRALIZER AEROSOL 10.25 OZ  
Item No.: 633877

## 7. HANDLING AND STORAGE

(continued)

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. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Wash hands after using.

## 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: Clear liquid  
Odor: Pungent  
Boiling Point: > 100 Deg F  
pH: Not available  
Solubility in Water: Soluble  
Specific Gravity 0.82-0.86 g/mL  
Volatile Organic Compound  
(EPA Method 24) 33%  
Vapor Pressure: Not available  
Vapor Density: More than 1 (base only)  
Evaporation Rate  
(Ether = 1) faster than ether

AVON, OH 44011  
TELEPHONE: (440) 937-7000

## MATERIAL SAFETY DATA SHEET

Page 05 of 06

Product Name: LOCTITE EXTEND RUST NEUTRALIZER AEROSOL 10.25 OZ  
Item No.: 633877

## 10. STABILITY AND REACTIVITY

Stability: Stable  
Hazardous Polymerization: Will not occur  
Incompatibility: None  
Conditions to Avoid: Not available  
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: 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: None

AVON, OH 44011  
TELEPHONE: (440) 937-7000

MATERIAL SAFETY DATA SHEET

Product Name: LOCTITE EXTEND RUST NEUTRALIZER AEROSOL 10.25 OZ  
Item No.: 633877

16. OTHER INFORMATION

Estimated NFPA(R) Code:

Health Hazard: 2  
Fire Hazard: 3  
Reactivity Hazard: 1  
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.

24 Hour contact: 1-800-624-7767  
Emergency: Chemtrec 1-800-424-9300  
MSDS Prepared by Regulatory Affairs 440-937-7000 01/08 Rev 03/09