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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite(R) Extend(R) Rust Treatment
Product type: Rust preventor
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 30539
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Acetone 67-64-1	30-60	500 ppm TWA 750 ppm STEL	1000 ppm TWA 2400 mg/m ³ TWA	None
Dimethyl ether 115-10-6	30-60	None	None	1000 ppm TWA, (WEEL)
2-Butoxyethanol 111-76-2	5-10	20 ppm TWA	240 mg/m ³ TWA 50 ppm TWA (skin)	None
Vinyl Resin Proprietary	1-5	None	None	None
Formic acid 64-18-6	1-5	5 ppm TWA 10 ppm STEL	5 ppm TWA 9 mg/m ³ TWA	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Aerosol Liquid
Color: Translucent
Odor: Acetone-like

HEALTH: 3*
FLAMMABILITY: 3
PHYSICAL HAZARD: 1
Personal Protection: See Section 8

DANGER: CONTENTS UNDER PRESSURE.
EXTREMELY FLAMMABLE LIQUID AND VAPOR
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY CAUSE EYE, SKIN AND RESPIRATORY BURNS

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: Mists, vapors or liquid may cause severe irritation or burns.
Skin contact: Exposure to mists, liquid or vapor may cause severe skin irritation or burns.
Eye contact: Exposure to mists, vapors and liquid may cause severe eye irritation or burns.
Ingestion: Not expected under normal conditions of use. May be harmful if swallowed.

Existing conditions aggravated by exposure: Not available

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See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Move to fresh air in case of accidental inhalation of vapours. Get medical attention.
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Get medical attention if symptoms occur.
Eye contact:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion:	If swallowed, seek medical advice immediately and show this container or label. Immediately give plenty of water (if possible charcoal slurry). Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

Flash point:	Less than -17.7°C (0°F) (Propellant) This product exhibits flashback when tested for flame extension.
Autoignition temperature:	Not available
Flammable/Explosive limits-lower %:	1.1 %
Flammable/Explosive limits-upper %:	57 %
Extinguishing media:	Foam, dry chemical or carbon dioxide.
Special fire fighting procedures:	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA). Use water spray to keep fire exposed containers cool and disperse vapors.
Unusual fire or explosion hazards:	Closed containers may explode when exposed to extreme heat.
Hazardous combustion products:	Oxides of carbon. Irritating organic fragments.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Do not allow material to contaminate ground water system. Remove sources of ignition.
Clean-up methods:	Spilled liquid is combustible and can be ignited by heat, flames, sparks, or other sources of ignition. Ventilate area. Wipe up with adsorbent material (e.g. cloth, fleece). Store in a closed metal container until ready for disposal.

7. HANDLING AND STORAGE

Handling:	Keep away from heat, spark and flame. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.
Storage:	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
Incompatible products:	Oxidizing and spontaneously flammable products.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Work should be done in an adequately ventilated area (i.e., ventilation sufficient to maintain concentrations below one half of the PEL and other relevant standards). Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.
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Respiratory protection: Use a NIOSH approved air purifying respirator with an organic vapor cartridge if the potential to exceed established exposure limits exists.

Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact.

Eye/face protection: Chemical splash goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Aerosol Liquid
Color: Translucent
Odor: Acetone-like
Vapor pressure: Not available
pH: 7.0
Boiling point/range: Not available
Melting point/range: Not available
Specific gravity: .75
Vapor density: Heavier than air
Evaporation rate: Faster than ether
Solubility in water: Not determined
Partition coefficient (n-octanol/water): Not available
VOC content: 50.4%

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: Carbon oxides.

Incompatibility: Oxidizing agents.

Conditions to avoid: Heat, flames and sparks.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Acetone 67-64-1	No	No	No
Dimethyl ether 115-10-6	No	No	No
2-Butoxyethanol 111-76-2	No	No	No
Vinyl Resin Proprietary	No	No	No
Formic acid 64-18-6	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Acetone 67-64-1	Blood, Central nervous system, Irritant, Reproductive
Dimethyl ether 115-10-6	Central nervous system, Irritant
2-Butoxyethanol 111-76-2	Blood, Central nervous system, Irritant, Kidney, Liver
Vinyl Resin Proprietary	Irritant
Formic acid 64-18-6	Central nervous system, Corrosive, Irritant, Kidney, Metabolic

12. ECOLOGICAL INFORMATION

Ecological information:

No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, groundwater, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

EPA hazardous waste number: D001: Ignitable. D002: Corrosive.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR):

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None
Exceptions: Aerosols, not more than 1 L - ORM-D Consumer Commodity
DOT reportable quantity (lbs): Acetone (CAS# 67-64-1) is reportable at 5000 pounds (2270 kg).

International Air Transportation (ICAO/IATA):

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None

Water Transportation (IMO/IMDG):

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification: None.

CERCLA/SARA Section 302 EHS: None above reporting de minimus.
CERCLA/SARA Section 311/312: Immediate Health Hazard, Fire, Pressure
CERCLA/SARA 313: 2-Butoxyethanol (CAS# 111-76-2) (Glycol Ethers).

California Proposition 65: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Domestic Substances List.
WHMIS hazard class: A, B.1, D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 2,3,15

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