



Revision Number: 004.1

Issue date: 11/25/2008

1. PRODUCT AND COMPANY IDENTIFICATION

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

IDH number: 234984
Item number: 75465
Region: United States

Contact information:
 Telephone: 860.571.5100
 Emergency telephone: 860.571.5100
 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	Liquid	HEALTH:	*1
Color:	Milky	FLAMMABILITY:	1
Odor:	Mild	PHYSICAL HAZARD:	0
CAUTION:		Personal Protection:	See MSDS Section 8

CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: Mild respiratory tract irritation.
Skin contact: Irritating to skin.
Eye contact: May cause severe eye irritation.
Ingestion: Not expected under normal conditions of use. Gastric disturbances.

Existing conditions aggravated by exposure: Skin disorders. Eye disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Polymer	Proprietary	30 - 60
Barium sulfate	7727-43-7	5 - 10
2-Butoxyethanol	111-76-2	1 - 5
Propanediol-1,2	57-55-6	1 - 5
Organic acid	Proprietary	1 - 5
Silicon dioxide	7631-86-9	1 - 5

Non hazardous components

Water 30-50%

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:	Immediately flush skin with plenty of water (using soap, if available). If symptoms develop and persist, get medical attention.
Eye contact:	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
Ingestion:	Keep individual calm. Do not induce vomiting. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash point:	Does not flash.
Autoignition temperature:	Not applicable
Flammable/Explosive limits - lower:	Not applicable
Flammable/Explosive limits - upper:	Not applicable
Extinguishing media:	Will not burn.
Special firefighting procedures:	Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Do not allow material to contaminate ground water system.
Clean-up methods:	Wipe up with adsorbent material (e.g. cloth, fleece).

7. HANDLING AND STORAGE

Handling:	Avoid skin and eye contact. Do not wear contact lenses. Wash thoroughly after handling. Keep out of the reach of children.
Storage:	Keep container closed. Store in original container until ready to use.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Polymer	None	None	None	None
Barium sulfate	10 mg/m3 TWA	5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust.	None	None
2-Butoxyethanol	20 ppm TWA	50 ppm (240 mg/m3) TWA (SKIN)	None	None
Propanediol-1,2	None	None	10 mg/m3 TWA Aerosol.	None
Organic acid	None	None	None	None
Silicon dioxide	6 mg/m3 TWA	20 MPPCF TWA 0.8 mg/m3 TWA	None	3 mg/m3 TWA Respirable fraction.

Engineering controls:	Ensure adequate ventilation, especially in confined areas.
Respiratory protection:	Not normally required. Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
Eye/face protection:	Safety goggles or safety glasses with side shields.
Skin protection:	Disposable rubber or plastic gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Milky
Odor:	Mild
Odor threshold:	Not available
pH:	1.95
Vapor pressure:	24 mm Hg (20 °C (68°F))
Boiling point/range:	Not available
Melting point/ range:	Not available
Specific gravity:	1.202
Vapor density:	1.2
Flash point:	Does not flash.
Flammable/Explosive limits - lower:	Not applicable
Flammable/Explosive limits - upper:	Not applicable
Autoignition temperature:	Not applicable
Evaporation rate:	Not available
Solubility in water:	Soluble
Partition coefficient (n-octanol/water):	Not available
VOC content:	110 g/l of coating

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	None
Incompatible materials:	None known
Conditions to avoid:	None known

11. TOXICOLOGICAL INFORMATION

Acute oral product toxicity:	LD50 (rat) > 5,000 mg/kg (Estimated)
Acute dermal product toxicity:	LD50 (rabbit) > 2,000 mg/kg (Estimated)

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Polymer	No	No	No
Barium sulfate	No	No	No
2-Butoxyethanol	No	No	No
Propanediol-1,2	No	No	No
Organic acid	No	No	No
Silicon dioxide	No	No	No

Hazardous components	Health Effects/Target Organs
Polymer	No Data
Barium sulfate	Lung
2-Butoxyethanol	Blood, Central nervous system, Irritant, Kidney, Liver
Propanediol-1,2	Irritant
Organic acid	Blood, Corrosive, Irritant, Kidney, Liver
Silicon dioxide	Nuisance dust

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, ground water, 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: Follow all local, state, federal and provincial regulations for disposal.
Hazardous waste number: D002: Corrosive.

14. TRANSPORT INFORMATION

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

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
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 above reporting de minimus
CERCLA/SARA Section 302 EHS:	None above reporting de minimus
CERCLA/SARA Section 311/312:	Immediate Health, Delayed Health
CERCLA/SARA 313:	This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). 2-Butoxyethanol (CAS# 111-76-2).
California Proposition 65:	This product contains a chemical known in the State of California to cause cancer.

Canada Regulatory Information

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

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

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