



Chemical Name: Extend Rust Treatment

Manufacturer: Permatex

Container Size: 10.25 oz.

Location: VLA

Disposal: Place empty container in trash. Give partial or full container to safety officer.

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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 79DA RUST TREATMENT 10.25OZ AE
Item No: 81849
Product Type: Aerosol coating

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH TLV: TWA	OSHA PEL:
DIMETHYL ETHER 115-10-6	30-60	Not listed	Not Listed
2-BUTOXYETHANOL 111-76-2	10-30	20 ppm TWA	25 ppm TWA; 240 mg/m ³ TWA
ACETONE 67-64-1	10-30	500 ppm TWA; 750 ppm STEL	1000 ppm TWA; 2400 mg/m ³ TWA
VINYL TERPOLYMER 27360-07-2	<5	10 mg/m ³ TWA total dust	15 mg/m ³ TWA total dust; 5 mg/m ³ respir dust
FORMIC ACID 64-18-6	<3	5 ppm TWA; 9.4 mg/m ³ TWA	5 ppm TWA; 9 mg/m ³ TWA

3. HAZARDS IDENTIFICATION

Toxicity: Exposure to 2-butoxyethanol can cause nausea, dizziness, vomiting, malaise, incoordination, diarrhea, weakness, eye redness and swelling of conjunctiva. Intentional misuse by concentrating and inhaling the vapor may be harmful or fatal. May cause nose, throat and respiratory irritation.

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation

Signs and Symptoms of Exposure: Excessive overexposure may cause giddiness, dizziness, headache, nausea and in extreme cases, unconsciousness and respiratory depression. Can cause severe and painful burns on contact to eyes, skin and if taken internally.

Component	Weight%	NTP	ACGIH Carcinogens	IARC
2-BUTOXYETHANOL 111-76-2	10-30	male rat-no evidence; female rat-equivocal evidence; male mice- some evidence; female mice-some evidence	A3	Group 3; Monograph 88, 2006
ACETONE 67-64-1	10-30	Not known	A4 - Not Classifiable as a Human Carcinogen	Not known

Medical Conditions Recognized as Being Aggravated by Exposure: Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected.

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.

Skin Contact: Wash off with soap and water. If skin irritation persists, call a physician.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point (°F/C): Extremely flammable aerosol per flame projection test

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.

5. FIRE FIGHTING MEASURES

Special Fire-Fighting Procedures:

Firefighters should wear self-contained breathing apparatus. Keep containers cool. Use equipment or shielding required to protect against bursting or venting of containers. Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.

Hazardous Products of Combustion:

Oxides of carbon, Irritating vapors

Unusual Fire/Explosion Hazards:

Contents under pressure. Exposure to temperatures over 120 degrees F. may cause bursting or venting. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Lower Explosive Limit:

Not determined

Upper Explosive Limit:

Not determined

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures:

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

7. HANDLING AND STORAGE

Storage:

Store away from heat, sparks or open flame. Do not store at temperatures above 120 degrees F. Exposure to high temperatures may cause container to burst.

Handling:

Avoid contact with skin and eyes. Do not use near heat, sparks or open flame. Intentionally concentrating and inhaling the vapor may be harmful or fatal. Use only in a well ventilated area. Vapors may accumulate readily and may ignite explosively. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes:

Safety glasses

Skin:

Rubber or plastic gloves.

Ventilation:

General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.

Respiratory Protection:

An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Clear liquid

Odor:

ACIDIC

Boiling Point:

Not determined

pH:

Does not apply

Solubility in Water:

Miscible

Specific Gravity:

0.73 - 0.93

VOC Content(Wt.%):

50.4%

Vapor Pressure:

Not determined

Vapor Density (Air=1):

Heavier than air

Evaporation Rate:

>1 (butyl acetate = 1)

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable at normal conditions

Hazardous Polymerization:

WILL NOT OCCUR.

Incompatibilities:

Strong oxidizers

Conditions to Avoid:

Keep away from heat, sparks and open flame. - No smoking.

Hazardous Products of Combustion:

Oxides of carbon, Irritating vapors

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal:

Disposal should be made in accordance with federal, state and local regulations. This container may be recycled in aerosol recycling centers. Before offering for recycling, empty the can by using the product according to the label. If recycling is not available, wrap the container and discard in the trash.

13. DISPOSAL CONSIDERATIONS

US EPA Waste Number: D001 as per 40CFR 261.21

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: CONSUMER COMMODITY
Hazard Class: ORM-D
UN/ID Number: None
Marine Pollutant: None

IATA

Proper Shipping Name: Consumer Commodity (Not more than 1 liter)
Class or Division: Class 9
UN/ID Number: ID 8000

IMDG

Proper Shipping: Aerosols, Limited Quantity
Hazard Class: Class 2.1
UN Number: UN 1950

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

2-BUTOXYETHANOL, FORMIC ACID

CALIFORNIA PROP 65:

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA Inventory Status:

Listed on Inventory: YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 4, REACTIVITY 1.

Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 4, PHYSICAL HAZARD 0

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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