

925105

ORDER NO: 05803126

BATCH NO: 00032506

SUB BATCH NO: 0008

CURTIS INDUSTRIES
MATERIAL SAFETY DATA SHEET

Eas-Off Rust Penetrant
Part #75000

American Jetway
34136 Myrtle Street
Wayne, MI 48184
(313) 721-5930

***** HMIS RATINGS *****
Health: 2 Flammability: 4 Reactivity: 0 Pers. Prot. Index:

***** NFPA RATINGS *****
Health: 2 Fire: 4 Reactivity: 0 Specific Hazard:

***** SECTION I PRODUCT IDENTITY *****

Product/Trade Name(s): 81868, 81868-1, Eas-Off Rust Penetrant, Ease-Off TM
3634
Part Number: 75000
MSDS Date: 1997:07:14
CAS #: N/A
Category: N/A
Distributor: N/A
Chemical Name: N/A
Formula: N/A
Brief Description: N/A

***** SECTION II HAZARDOUS INGREDIENTS & EXPOSURE LIMITS *****

CHEMICAL NAME	LIMIT VALUES	CAS #	%
1,2,4 TRIMETHYLBENZENE	N/A	95-63-6	1.05
2-BUTOXYETHANOL	PEL 50 ppm PEL 240 mg/m3 use protection to avoid skin exposure	111-76-2	10.00
ALIPHATIC HYDROCARBON	N/A	64742-63-8	10.00
BIPHENYL	PEL 0.2 ppm PEL 1 mg/m3	92-52-4	0.36

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KEROSENE			8008-20-6	30.00
			N/A	
MINERAL SPIRITS			8052-41-3	30.00
	PEL	500 ppm		
	PEL	2,900 mg/m3		
NAPHTHALENE			91-20-3	0.45
	PEL	10 ppm		
	PEL	50 mg/m3		
NAPHTHENIC OIL			64742-52-5	40.00
			N/A	
PROPANE/ISOBUTANE/N-BUTANE			74-98-6	20.00
	PEL	1,000 ppm		
	PEL	1,800 mg/m3		
XYLENE			1330-20-7	0.45
	PEL	100 ppm		
	PEL	435 mg/m3		

***** SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS *****

Boiling Point: Range: -40F to >500F
 Vapor Pressure (mm Hg.): PSIG @ 70F: 60
 Vapor Density (AIR = 1): Heavier than air: 4.0
 Solubility in Water: Nil
 % Volatile / Volume: No Data
 Appearance and Odor: Straw/Solvent
 pH: No Data
 Specific Gravity (H2O = 1): 0.8

Miscellaneous Information

Melting Point: pH liquid: Not applicable. Evaporation Rate (Butyl Acetate=1): <1.

***** SECTION IV FIRE AND EXPLOSION HAZARD DATA *****

Flash Point: -142F TCC
 Flammable Limits: No Data
 Lower Explosive Limit (LEL): 1.8
 Upper Explosive Limit (UEL): 9.5
 Extinguishing Media
 Use water fog, dry chemical or carbon dioxide.
 Special Fire Fighting Procedures
 Aerosol cans may rupture when heated.
 Unusual Fire and Explosion Hazards
 Heated cans may burst. NFPA 30B Rating: 3.

***** SECTION V REACTIVITY DATA *****

Stable: Yes
 Hazardous Polymerization May Occur: No

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Conditions to Avoid

Stability (Conditions to Avoid): High temperatures. Polymerization
(Conditions to Avoid): None.

Compatibility (Material to Avoid)

Incompatible with strong oxidizers.

Hazardous Decomposition or Byproducts

In fire, will decompose to carbon dioxide, water, sulfur compounds,
calcium oxide.

***** SECTION VI HEALTH HAZARD DATA *****

Effects on Eyes

Health Hazards (Acute and Chronic): Eye irritant. 2-Butoxyethanol may
cause corneal injury.

Effects on Skin

A Primary Route of Entry. Health Hazards (Acute and Chronic): Will cause
defatting of skin. Effects are reversible. Skin irritant.
2-Butoxyethanol may be absorbed through the skin with toxic effects.
Signs and Symptoms of Exposure: Redness.

Effects Due to Ingestion

A Primary Route of Entry. Health Hazards (Acute and Chronic): Aspiration
hazard if swallowed. 2-Butoxyethanol may cause blood abnormalities and
may cause damage to spleen and testes. Signs and Symptoms of Exposure:
Vomiting. Medical Conditions Generally Aggravated by Exposure: Heart
disease.

Effects Due to Inhalation

A Primary Route of Entry. Health Hazards (Acute and Chronic): May cause
dizziness or narcosis in high vapor concentrations. Long term exposure
(years) to high concentrations of vapor may cause lung, liver or kidney
damage. The solvents listed have been reported to affect the central
nervous system. May irritate respiratory tract. Signs and Symptoms of
Exposure: Difficulty in breathing. Medical Conditions Generally
Aggravated by Exposure: Respiratory disorders. Carcinogenicity: NTP,
IARC Monographs, OSHA Regulated: Presently not on any list.

First Aid Procedures for Eyes

Wash eyes with water.

First Aid Procedures for Skin

Wash skin with water.

First Aid Procedures for Ingestion

DO NOT induce vomiting. Gastric lavage.

First Aid Procedures for Inhalation

Give oxygen.

***** SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE *****

Steps to Be Taken in Case Material is Released or Spilled

Use absorbent sweeping compound to soak up material. Put into container.
Dispose as hazardous waste.

Waste Disposal Method

Dispose as hazardous waste in accordance with EPA RCRA.

Precautions to Be Taken in Handling and Storing

Keep away from heat, sparks, or open flame. Store at temperatures below
120F.

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Other Precautions

When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator.

***** SECTION VIII CONTROL MEASURES *****

Local Exhaust: Yes
Mechanical (General): None
Special Ventilation: None
Other Ventilation: None
Protective Gloves: None required if spraying
Eye Protection: Wear eye protection
Other Protective Clothing or Equipment
Long sleeve and long pants.
Work/Hygienic Practices
DO NOT smoke while using. Wash hands after use.
Respiratory Protection (Specify Type)
Self contained breathing apparatus if above TLV limit exceeding.

***** SECTION IX ADDITIONAL INFORMATION *****

Additional Information

EMERGENCY TELEPHONE NO.:
216/467-4195.

PRODUCT IDENTIFICATION:

Curtis #: 81868.
DOT Shipping - Consumer Commodity ORM-D.

HAZARDOUS INGREDIENTS:

Mineral Spirits: OSHA PEL: 100; ACGIH TLV: 100.
Kerosene: OSHA PEL: 400.
*2-Butoxyethanol: OSHA PEL: 25 skin; ACGIH TLV: 25 skin.
Naphthenic Oil: ACGIH TLV: 5 mg/m3.
Aliphatic Hydrocarbon: ACGIH TLV: 5 mg/m3; STEL: 10 mg/m3.
Propane/Isobutane/n-Butane: OSHA PEL: 1000; ACGIH TLV: 1000; STEL:
Asphyxiant.

Mineral spirits may contain 3.5% 1,2,4 Trimethylbenzene (95-63-6) which is subject to the reporting requirements of Section 313 of SARA Title III.

Kerosene contains 0.5-1.5% xylene (1330-20-7), 0.5-1.5% naphthalene (91-20-3) and 0.4-1.2% biphenyl (92-52-4) which are subject to the reporting requirements of Section 313 of SARA Title III.

All chemical compounds marked with an asterisk () are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture or trade name product is sold. This statement must remain a part of the Material Safety Data Sheet.

Warning: This product contains a chemical known to the State of

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California to cause birth defects or other reproductive harm.