

Permatex, Inc.  
10 Columbus Blvd.  
Hartford, CT 06106 USA  
Telephone: 1-87-Permatex  
(877) 376-2839  
Emergency: 800-255-3924  
International Emergency: +01-813-248-0585

Canadian Corporate Office:  
ITW Permatex Canada  
8450 Lawson Road, Unit 1  
Milton, ON L9T 0J8  
Toll Free: (800) 924-6994  
(905) 693-8900  
Emergency: ChemTel (800) 255-3924

## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

Product Name: Low Emulsifying Wash  
Product Type: Concentrated Cleaner/Degreaser  
Product Trade Name: C37820

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
ETHANOLAMINE 141-43-5	1-5	3 ppm	3 ppm; 6 mg/m <sup>3</sup>
ALCOHOL ETHOXYLATE MIXTURE	1-5	NA	NA

### 3. HAZARDS IDENTIFICATION

**Effects of Acute Exposure:** Prolonged or repeated use of concentrated product may cause eye and skin irritation  
May irritate respiratory system upon frequent or prolonged use  
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

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

**Signs and Symptoms of Exposure:** Overexposure may cause eye and skin redness Ingestion may cause nausea and vomiting

**Medical Conditions Recognized as Being Aggravated by Exposure:** None known. Preexisting eye, skin and respiratory disorders may be aggravated by overexposure to this product.

**Chronic Health Hazard Comments:**

None known  
The health affects listed above apply to Low Emulsifying Wash in its concentrated state. The product, when used at a 3:1 dilution or greater, contains no reportable ingredients under OSHA Haz-Com standard 29 CFR 1910.1200 and is, therefore, expected to be significantly milder and less irritating than the concentrate, upon exposure.

### 4. FIRST AID MEASURES

**Eye Contact:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Contact a physician if irritation persists.

**Skin Contact:** Immediately remove contaminated clothing and excess contaminant. Flush with water for at least 15 minutes. Wash thoroughly with soap and water. Consult a physician if irritation develops

**Ingestion:** If swallowed, DO NOT induce vomiting. Give victim water, call a physician immediately. Never give anything by mouth to an unconscious person

**Inhalation:** Move to fresh air; get medical attention if symptoms persist

**Notes to Physician:** Treat symptomatically

### 5. FIRE FIGHTING MEASURES

**Flash Point °F(C°):** ~172°F/~78°C TCC

**Recommended Extinguishing Media:** Carbon dioxide, Dry chemical, Foam

**Special Fire-Fighting Procedures:** Wear suitable protective equipment. Use water spray to cool exposed containers.

**Product Name:** Low Emulsifying Wash

## 5. FIRE FIGHTING MEASURES

<b>Hazardous Products of Combustion:</b>	Carbon monoxide, Carbon dioxide, Oxides of nitrogen
<b>Unusual Fire/Explosion Hazards:</b>	Does not sustain combustion (ASTM D4206).
<b>Sensitivity to Static Discharge:</b>	Sensitivity to static discharge is not expected
<b>Mechanical Sensitivity:</b>	None reasonably foreseeable
<b>Lower Explosive Limit:</b>	Not determined
<b>Upper Explosive Limit:</b>	Not determined

## 6. ACCIDENTAL RELEASE MEASURES

Spills may cause slippery floors. Prevent spill from entering drainage/sewer systems, waterways and surface water. Notify local health authorities and other appropriate agencies if such contamination occurs.

## 7. HANDLING AND STORAGE

Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Store below 100°F. Do not allow freezing.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Eyes:</b>	Safety glasses
<b>Skin:</b>	Chemical resistant gloves
<b>Ventilation:</b>	Use only in well ventilated area.
<b>Respiratory Protection:</b>	Not required under normal use

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Green liquid	<b>Odor:</b>	Lemon
<b>Boiling Point:</b>	~212°F/~100°C	<b>Freezing Point:</b>	~32°F/ ~0°C
<b>pH:</b>	~11.5	<b>Solubility in Water:</b>	Completely soluble
<b>Specific Gravity:</b>	~1.005 g/ml	<b>Vapor Pressure:</b>	~18 mm Hg
<b>Vapor Density (Air=1):</b>	>1	<b>% Volatile:</b>	~91
<b>VOC(Wt.%):</b>	<4% by weight	<b>Evaporation Rate:</b>	<1 (butyl acetate = 1)

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Incompatibilities:</b>	Strong oxidizers
<b>Conditions to Avoid:</b>	Avoid temperatures greater than 100°F. Freezing conditions.
<b>Hazardous Products of Combustion:</b>	Carbon monoxide, Carbon dioxide, Oxides of nitrogen

## 11. TOXICOLOGICAL INFORMATION

### Product Toxicity

<b>Eyes:</b> Moderately irritating (Rabbit Draize score 22.3/110)	<b>Skin:</b> Slightly irritating (Rabbit Draize score 1.4/8 (LD50, Rat >5,000 mg/kg)	<b>Inhalation LC50:</b> >2,100 mg/m <sup>3</sup> (LC50, Rat 4 hour exposure)	<b>Oral LD50:</b> >5,000 mg/kg (Rat)
--	---	---	---

## 12. ECOLOGICAL INFORMATION

No data available

## 13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.

## 14. TRANSPORTATION INFORMATION

### Ground Transport (DOT)

<b>DOT Shipping Name:</b>	Not Regulated
<b>Hazard Class:</b>	None
<b>UN/ID Number:</b>	None

### TDG(Transport of Dangerous Goods) Canada

<b>Proper Shipping Name:</b>	Not Regulated
<b>Hazard Class:</b>	None
<b>UN/ID No:</b>	None

**Product Name:** Low Emulsifying Wash

## 15. REGULATORY INFORMATION

**SARA 302 Extremely Hazardous Substances:** None  
**SARA 313 Toxic Chemicals:** None  
**SARA (311, 312) Hazard Class:** Acute health hazard

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

**California Proposition 65:** No California Prop 65 chemicals are known to be present.

**WHMIS Hazard Class:** D2B TOXIC MATERIALS - IRRITANT

## 16. OTHER INFORMATION

HEALTH 1, FLAMMABILITY 0, PHYSICAL HAZARD 0, PERSONAL PROTECTION B  
HMIS is a registered trademark of the National Paint and Coatings Assn.

**Estimated NFPA Rating:**  
HEALTH 1, FLAMMABILITY 0, REACTIVITY 0  
NFPA is a registered trademark of the National Fire Protection Assn.

**Prepared By:** Denise Boyd, Manager-Environmental, Health & Safety  
**Company:** Permatex, Inc. 10 Columbus Blvd. Hartford, CT USA 06106  
**Telephone No.:** 1-87-Permatex (877) 376-2839

**Revision Date:** February 16, 2010  
**Formula Index:** 04

### DISCLAIMER OF LIABILITY:

The information contained herein is based on data we believe to be reliable as of the date of preparation of the Material Safety Data Sheet. The accuracy and completeness of such data are not warranted or guaranteed. We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products may be used. We assume no liability or responsibility for loss or damage resulting from the improper or abnormal use or handling of our products, from incompatible product combinations, from the failure to follow instructions and warnings in the product's label and Material Safety Data Sheet, or from any failure to adhere to recommended practices.