



POLYONE CORPORATION

MATERIAL SAFETY DATA SHEET

4137 LATEX CLEANER

Version Number 1.2
Revision Date 09/11/2003

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Print Date 11/12/2011

1. PRODUCT AND COMPANY IDENTIFICATION

POLYONE CORPORATION
2700 Papin Street, St. Louis, MO 63103

NON-EMERGENCY TELEPHONE : Product Stewardship (314) 771-1800
Emergency telephone number : **CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).**

Product name : 4137 LATEX CLEANER
Product code : FO00001282
Chemical Name : Mixture
CAS-No. : Mixture
Product Use : Industrial Applications

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

| Components | CAS-No. | Weight % |
|----------------|----------|----------|
| Methyl alcohol | 67-56-1 | 1 - 5 |
| Ethyl alcohol | 64-17-5 | 30 - 60 |
| Ethyl acetate | 141-78-6 | 30 - 60 |

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Flammable. May be harmful if inhaled. Harmful if swallowed. May cause skin irritation. Flammable liquid and vapor. Vapors may be irritating to eyes and respiratory tract. This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. In addition, heating or processing this material may result in product degradation or byproduct formation creating additional hazards. See Sections 8 and 11 for additional details.

POTENTIAL HEALTH EFFECTS

Routes of Exposure: : Inhalation, Skin contact, Ingestion

Acute exposure

Inhalation : Excessive inhalation of product vapors may cause respiratory irritation, headaches, dizziness, and/or nausea.
Ingestion : May be harmful if swallowed. May cause nausea, abdominal spasms and irritation of the mucous membranes.
Eyes : Liquid, aerosol, or vapors of this product are irritating and may cause tearing, reddening, and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

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Skin : Prolonged or repeated skin contact can cause de-fatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Chronic exposure : Refer to Section 11 for Toxicological Information.

Medical Conditions Aggravated by Exposure: : Individuals with chronic respiratory disorders (i.e. asthma, chronic bronchitis, etc.) may be adversely affected by any airborne contaminant.

4. FIRST AID MEASURES

Inhalation : Move to fresh air in case of accidental inhalation of vapours or decomposition products. Seek medical attention after significant exposure.

Ingestion : Do not induce vomiting without medical advice. If conscious, drink plenty of water. Seek medical attention if necessary.

Eyes : Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, seek medical attention.

Skin : Wash off with soap and plenty of water. If skin irritation persists seek medical attention.

5. FIRE-FIGHTING MEASURES

Flash point : Less than 75 °F (24 °C)

Flammable Limits

Upper explosion limit : No data available.

Lower explosion limit : No data available.

Autoignition temperature : No data available.

Suitable extinguishing media : foam, dry chemical, carbon dioxide (CO₂), water spray.

Special Fire Fighting Procedures : Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.

Unusual Fire/Explosion Hazards : None

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.

Environmental precautions : Should not be released into the environment. The product should not be allowed to enter drains, water courses or the soil.

Methods for cleaning up : Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in

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container for disposal according to local / national regulations (see section 13).

7. HANDLING AND STORAGE

- Handling : Flammable liquid. Keep away from flames, hot surfaces, and sources of ignition. Use of non-sparking or explosion-proof equipment may be necessary. Never use compressed air for transferring product. Ensure all equipment is electrically grounded before beginning transfer operations. Take measures to prevent the build up of static electricity. Use only in area provided with appropriate exhaust ventilation.
- Storage : Store below 120 °F (49 °C) Keep containers tightly closed in a cool, well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Flammable Liquid. Check local fire regulations for sprinkler or explosion proof storage location requirements.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Respiratory protection : Airborne contaminant levels should be maintained below the occupational exposure guidelines. When respiratory protection is required, use an approved air-purifying or positive pressure supplied-air respirator, depending upon potential airborne contaminant concentrations. Employees using respirators must be properly trained. Employers must follow applicable regulations such as OSHA 29 CFR 1910.134.
- Eye/Face Protection : Wear goggles or face shield during operations that present a splash potential.
- Hand protection : Protective gloves.
- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Additional Protective Measures : Safety shoes.
- General Hygiene Considerations : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Ensure adequate ventilation, especially in confined areas.
- Engineering measures : Provide general and/or local exhaust ventilation to control airborne contaminant levels below the exposure guidelines.

Exposure limit(s)

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| Components | Value | Exposure time | Exposure type | List: |
|----------------|--------------------------|-----------------------------------|---------------|---------|
| Methyl alcohol | 200 ppm | Time Weighted Average (TWA): | Vapor. | ACGIH |
| | 250 ppm | Short Term Exposure Limit (STEL): | Vapor. | ACGIH |
| Methyl alcohol | 200 ppm 260 mg/m3 | PEL: | Vapor. | OSHA Z1 |
| Ethyl alcohol | 1,000 ppm | Time Weighted Average (TWA): | | ACGIH |
| Ethyl alcohol | 1,000 ppm 1,900 mg/m3 | PEL: | Vapor. | OSHA Z1 |
| Ethyl acetate | 400 ppm | Time Weighted Average (TWA): | | ACGIH |
| Ethyl acetate | 400 ppm 1,400 mg/m3 | PEL: | | OSHA Z1 |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---------------------|----------------------|------------------|-----------------------------|
| Form | : Liquid | Evaporation rate | : Faster than Butyl Acetate |
| Appearance | : Liquid | Specific Gravity | : Not determined |
| Color | : NO PIGMENT | Bulk density | : Not applicable. |
| Odor | : Solvent | Vapor pressure | : Not determined |
| Melting point/range | : Not applicable. | Vapor density | : Heavier than air. |
| Boiling Point: | : No data available. | pH | : Not determined |
| Water solubility | : Negligible | | |

10. STABILITY AND REACTIVITY

| | |
|----------------------------------|---|
| Stability | : Stable. |
| Hazardous Polymerization | : Will not occur. |
| Conditions to avoid | : Keep away from oxidizing agents and open flame. Heat, flames and sparks. |
| Incompatible Materials | : Incompatible with strong acids and oxidizing agents. |
| Hazardous decomposition products | : Carbon dioxide (CO ₂), carbon monoxide (CO), other hazardous materials, and smoke are all possible. |

11. TOXICOLOGICAL INFORMATION

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Toxicity Overview

This product contains the following components which in their pure form have the following characteristics:

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| CAS-No. | Chemical Name | Effect | Target Organ |
|----------|----------------|------------------|--|
| 67-56-1 | Methyl alcohol | Systemic effects | Eyes, Skin, Respiratory system, central nervous system, digestive system. |
| 64-17-5 | Ethyl alcohol | Systemic effects | Liver, heart or circulatory system, central nervous system, reproductive system. |
| 141-78-6 | Ethyl acetate | Systemic effects | Eyes, Skin, Respiratory system. |

LC50 / LD50

This product contains the following components which, in their pure form, have the following toxicity data:

| CAS-No. | Chemical Name | Route | Value | Species |
|----------|----------------|-------------|----------------------|---------|
| 67-56-1 | Methyl alcohol | LC50 | 64000 ppm/4H | rat |
| | | Oral LD50 | 5,628 mg/kg | rat |
| | | Dermal LD50 | 15,800 mg/kg | rabbit |
| 64-17-5 | Ethyl alcohol | LC50 | 20000 ppm | rat |
| | | Oral LD50 | 3,450 mg/kg | mouse |
| 141-78-6 | Ethyl acetate | LC50 | 45 gm/m ³ | mouse |
| | | Oral LD50 | 5,620 mg/kg | rat |

Additional Health Hazard Information:

Methyl alcohol 67-56-1 May cause optic nerve damage and blindness, with CNS effects, narcosis, acidosis.

12. ECOLOGICAL INFORMATION

- Persistence and degradability : No data available.
- Environmental Toxicity : Adverse ecological impact is not known or expected under normal use.
- Bioaccumulation Potential : No data available.
- Additional advice : No data available.

13. DISPOSAL CONSIDERATIONS

- Product : Dispose of properly. Do not dump into sewers, on the ground, or into any body of water. Where possible, recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.
- Contaminated packaging : Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

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14. TRANSPORT INFORMATION

U.S. DOT Classification
Proper Shipping Name: Flammable liquids, n.o.s.
Technical Name: Ethyl acetate, Ethyl alcohol
Hazard Class / Division: 3
UN Number: UN1993
Packing Group: II
Label Required: 3
Hazardous Substance: Not applicable
Reportable quantity: 9,780 LB

ICAO/IATA (air) Refer to specific regulation.

IMO / IMDG Refer to specific regulation.

15. REGULATORY INFORMATION

US Regulations:

OSHA Status : Classified as hazardous based on components.

TSCA Status : All components of this product are listed on or exempt from the TSCA Inventory.

US. EPA CERCLA Hazardous Substances (40 CFR 302)

| Chemical Name | CAS-No. | % in Product | RQ for component | RQ for Mixture/Product |
|---------------|----------|--------------|------------------|------------------------|
| Ethyl acetate | 141-78-6 | 51.1271 | 5,000 lbs | 9,780 LB |

California Proposition 65 : This product does not contain a substance listed by California Prop 65.

SARA Title III Section 302 Extremely Hazardous Substance

Not applicable

SARA Title III Section 313 Toxic Chemicals:

| Chemical Name | CAS-No. | Weight % |
|---------------|---------|----------|
| METHANOL | 67-56-1 | 2.36 |

Canadian Regulations:

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National Pollutant Release Inventory (NPRI)

| Chemical Name | CAS-No. | Weight % | NPRI ID# |
|----------------|---------|----------|----------|
| Methyl alcohol | 67-56-1 | 2.36 | 149 |

WHMIS Classification : D2B

WHMIS Ingredient Disclosure List

| |
|----------|
| CAS-No. |
| 67-56-1 |
| 64-17-5 |
| 141-78-6 |

DSL : All components of this product are on the Canadian Domestic Substances List (DSL) or are exempt.

National Inventories:

Australia AICS : Listed.
China IECS : Listed.
Europe EINECS : Listed.
Japan ENCS : Listed.
Korea KECI : Listed.
Philippines PICCS : Listed.**16. OTHER INFORMATION**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material when used in combination with any other materials and/or in any particular process or processing conditions.