

# SAFETY DATA SHEET

## ECCOTHANE

### 1. Identification of the substance/preparation and of the company/undertaking

#### Identification of the substance or preparation

**Product name** : ECCOTHANE  
**Product no.** : 00274FF

**Use of the substance/preparation** : Urethane/acrylic polymer floor finish

#### Company/undertaking identification

**Manufacturer** : Essential Industries, Inc.  
P.O. Box 12  
28391 Essential Rd.  
Merton, WI 53056-0012 USA

**Supplier** : Essential Industries, Inc.  
P.O. Box 12  
28391 Essential Rd.  
Merton, WI 53056-0012  
United States

**Emergency telephone number** : 001-262-821-7814

### 2. Composition/information on ingredients

**Substance/preparation** : Preparation

Ingredient name	CAS number	%	EC number	Classification
2-(2-Methoxyethoxy)ethanol	111-77-3	1-5	203-906-6	Repr. Cat. 3; R63
See section 16 for the full text of the R-phrases declared above				

Occupational exposure limits, if available, are listed in section 8.

### 3. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

See section 11 for more detailed information on health effects and symptoms.

### 4. First aid measures

#### First aid measures

**Inhalation** : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

**Ingestion** : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately.

**Skin contact** : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention.

**Eye contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

**Specific treatments** : None established.

See section 11 for more detailed information on health effects and symptoms.

## 5. Fire-fighting measures

- Extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>.
- Special exposure hazards** : No specific hazard.  
Not available.
- Hazardous thermal decomposition products** : None.
- Special protective equipment for fire-fighters** : Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
- Remark** : No additional remark.

## 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Follow all fire-fighting procedures (section 5).
- Environmental precautions and clean-up methods** : Avoid contact of spilled material with soil and prevent runoff entering surface waterways. See section 13 for waste disposal information.  
If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

**Note:** see section 8 for personal protective equipment and section 13 for waste disposal.

## 7. Handling and storage

- Handling** : Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
- Packaging materials**
- Recommended** : Use original container.
- Specific uses** : Industrial use only.

## 8. Exposure controls/personal protection

- Exposure limit values** : Not available.
- Recommended monitoring procedures** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Exposure controls**
- Occupational exposure controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.
- Respiratory protection** : A respirator is not needed under normal and intended conditions of product use.
- Hand protection** : Use latex gloves.
- Eye protection** : Safety glasses.
- Skin protection** : Additional body garments should be used (e.g. sleevelets, apron, disposable suit etc.), based on the task being performed.

## 9. Physical and chemical properties

### General information

#### Appearance

- Physical state** : Liquid.
- Color** : White.
- Odor** : Bland.

### Important health, safety and environmental information

**Date of issue** : 4/24/2008.

## ECCOTHANE

<b>pH</b>	: 8.0-9.0
<b>Boiling point</b>	: 100°C (212°F)
<b>Melting point</b>	: 32°C (89.6°F)
<b>Flash point</b>	: Not applicable.
<b>Flammability (solid, gas)</b>	: Not applicable.
<b>Explosive properties</b>	: Not considered to be a product presenting a risk of explosion.
<b>Oxidizing properties</b>	: Not available.
<b>Vapor pressure</b>	: <3.999 kPa (<30 mm Hg) (at 20°C)
<b>Relative density</b>	: Weighted average: 1 g/cm <sup>3</sup>
<b>Solubility</b>	: Very slightly soluble in the following materials: cold water. Insoluble in the following materials: hot water, methanol, diethyl ether, n-octanol, acetone.
<b>Octanol/water partition coefficient</b>	: Not determined.
<b>Viscosity</b>	: Not determined.
<b>Vapor density</b>	: <1 (Air = 1)
<b>Evaporation rate (butyl acetate = 1)</b>	: Highest known value: 0.36 (water) Weighted average: 0.34 compared with Butyl acetate.

### Other information

## 10. Stability and reactivity

<b>Stability</b>	: The product is stable.
<b>Conditions to avoid</b>	: None identified.
<b>Materials to avoid</b>	: Not considered to be reactive.
<b>Hazardous decomposition products</b>	: None.

## 11. Toxicological information

### Potential acute health effects

<b>Inhalation</b>	: May cause respiratory tract irritation.
<b>Ingestion</b>	: May irritate digestive tract.
<b>Skin contact</b>	: Prolonged or repeated contact may dry skin and cause irritation.
<b>Eye contact</b>	: Direct contact may cause irritation and redness.

### Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
2-(2-Methoxyethoxy)ethanol	LD50	7190 mg/kg	Oral	Rabbit
	LD50	4160 mg/kg	Oral	Guinea pig
	LD50	8222 mg/kg	Oral	Mouse

### Potential chronic health effects

<u>Ingredient name</u>	<u>Carcinogenic effects</u>	<u>Mutagenic effects</u>	<u>Developmental toxicity</u>	<u>Impairs fertility</u>
2-(2-Methoxyethoxy)ethanol			Repr. Cat. 3; R63	

**Carcinogenicity** : No carcinogenic effect known.

**Mutagenicity** : No mutagenic effect.

**Reproductive toxicity** : None identified.

### Over-exposure signs/symptoms

**Target organs** : Does not cause damage to the following organs: blood, kidneys, lungs, the nervous system, the reproductive system, liver, mucous membranes, heart, bladder, spleen, brain, digestive system, lymphatic system, peripheral nervous system, gastrointestinal tract, cardiovascular system, upper respiratory tract, endocrine, immune system, skin, eyes.

**Other adverse effects** : None established.

## 12. Ecological information

### Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
2-(2-Methoxyethoxy)ethanol	Lepomis macrochirus (LC50)	96 hour(s)	7500 mg/l

**Other adverse effects** : Not available.

## 13. Disposal considerations

**Methods of disposal** : Avoid contact of spilled material and runoff with soil and surface waterways. Dispose of according to all federal, state and local applicable regulations.

**Waste classification** : Not applicable.

**European waste catalogue (EWC)** : Not available.

**Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC..

## 14. Transport information

### International transport regulations

<b>Regulatory information</b>	<b>UN number</b>	<b>Proper shipping name</b>	<b>Class</b>	<b>Packing group</b>	<b>Label</b>	<b>Additional information</b>
<b>ADR/RID Class</b>	Not Regulated.	Not controlled under ADR (Europe).	-	-		No additional remark.
<b>ADNR Class</b>	Not Regulated.	Not controlled under ADNR (Europe).	-	-		No additional remark.
<b>IMDG Class</b>	Not Regulated.	Not controlled under IMDG.	-	-		No additional remark.
<b>IATA-DGR Class</b>	Not Regulated.	Not controlled under IATA.	-	-		No additional remark.

## 15. Regulatory information

### EU regulations

**Hazard symbol or symbols** :



**Risk phrases** : This product is not classified according to EU legislation.

**Safety phrases** : No specific safety phrase has been found which is applicable to this product.

**Product use** : Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.  
- Industrial applications

**Additional warning phrases** : Safety Data Sheet available for professional user on request.

**EU statistical classification (Tariff Code)** : 32089091

## **16. Other information**

**Full text of R-phrases referred to in sections 2 and 3 - Europe** : R63- Possible risk of harm to the unborn child.

**Full text of classifications referred to in sections 2 and 3 - Europe** : Repr. Cat.3 - Toxic to reproduction Category 3

**Further information** : UBA No. 29160004

### History

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**Prepared by** : Regulatory Affairs.

### Notice to reader

*To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*