



# Safety Data Sheet

## EX-3

### Section 1. Chemical product and company identifications

**Common name:** EX-3 Gloss / Semi-gloss / Satin

**Product code:** 60330 / 60331 / 60332

**Product description:** EX-3 is a waterborne polyurethane finish for wood floors.

**Chemical family:** Paint/Varnish

**CAS:** Not applicable

**Synonyms:** Not applicable

**Supplier / Manufacturer:**

**Finitec Hardwood Products Inc.**

150, Leon-Vachon

Saint-Lambert-de-Lauzon (Quebec)

Canada GOS 2W0

Phone: (418) 889-9910

Fax: (418) 889-9915

**In case of emergency:**

**CANUTEC: (613) 996-6666**

**Or contact your local poison control center.**

### Section 2. Hazards identifications

**Physical state:** Liquid

**Warning:** The product can cause moderate eye irritation and mild to moderate skin irritation, especially if sensitivity. The product may be harmful if swallowed.

**Routes of entry:** Eyes, skin, ingestion.

**Potential acute effects**

- **Eyes:** The product can cause moderate eye irritation, such as redness, tingling, burning and swelling.
- **Skin:** The product may cause slight irritation to the skin if skin sensitivity such as redness and itching.
- **Inhalation:** The product can cause irritation to the respiratory tract in case of respiratory sensitivity.
- **Ingestion:** Unlikely. If ingested, product may cause irritation to the gastrointestinal tract.

**Potential chronic effects:** See *Toxicological Information (section 11)*.

### Section 3. Composition and information on ingredients

<u>Name</u>	<u>CAS</u>	<u>Concentration %</u>
Tripropylene glycol methyl ether	25498-49-1	1 to 5
Propylene glycol	57-55-6	1 to 5
Ethylene glycol mono-2-ethylhexyl ether	1559-35-9	1 to 5
Dipropylene glycol (mono) methyl ether	34590-94-8	1 to 5
Triethylamine	121-44-8	0.5 to 1.5

### Section 4. First aid measures

**Eye contact:** Flush eyes with running water for at least 15 minutes, keeping eyelids open immediately. Take care not to contaminate unaffected areas. Consult a doctor immediately.

**Skin contact:** Wash the affected area with soap and water and rinse immediately with plenty of running water. Get medical attention if irritation symptoms arise.

**Inhalation:** If symptoms of respiratory irritation arise following inhalation of the product, move the victim to fresh air. If symptoms persist or worsen, contact emergency services immediately.

**Ingestion:** In cases of ingestion of large amounts of product, DO NOT induce vomiting. Consult a doctor immediately.

**Note:** For any situation where the victim should consult a doctor or emergency services should go to the scene of incident to an intervention or medical transportation, make sure you give a copy of this MSDS with the victim if his health permits, an accompanying person or emergency services so that it is readily available for emergency physicians and / or physicians.

## **Section 5. Fire fighting measures**

**Flammability of the product:** Not flammable

**Lower limit of flammability:** Not applicable

**Upper limit of flammability:** Not applicable

**Flammability temperature:** Not applicable

**Flash point:** Not applicable

**Products of combustion:** Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO).

**Fire hazards in presence of various substances:** Data not available

**Fire fighting media and instructions:** Extinguishing media suitable for the surrounding environment of the product as water, dry chemical, carbon dioxide (CO<sub>2</sub>), sand, etc.

## **Section 6. Accidental release measures**

**Personal precautions:** Wear clothing and appropriate protective equipment cleaning liquid chemicals.

**Environmental precautions:** Prevent the infiltration of a large amount of product into drains, sewers and water courses.

**Methods for cleaning up:** Absorb spill with inert absorbent materials and non-combustible, such as universal absorbents or vermiculite. Transfer absorbed in a suitable container for disposal in accordance with federal, provincial and local regulations. Report all spills or uncontrolled releases to emergency units and appropriate agencies.

## **Section 7. Handling and storage**

**Handling:** Wear the personal protective equipment required for the task. Properly apply the professional and personal hygiene procedures such as washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas. Use safety procedures to avoid accidents.

**Storage:** It is recommended to store the product in a place at room temperature. Avoid storing product in a location that is out of reach of children.

## **Section 8. Exposure Controls, Personal Protections**

**Engineering controls:** Ensure adequate ventilation and good air output to keep contaminant concentrations below the permissible exposure limits.

**Eyes:** Wear safety glasses with side shields.

**Respiratory:** During routine operations, respiratory protection is not required. If emanation, wear a mask with organic vapor cartridges.

**Hands:** Wear nitrile, PVC or rubber gloves.

**Skin/body:** Standard work clothing.

**Other:** Eyewash and body emergency must be available on site.

## **Section 9. Physical and chemical properties**

**Molecular mass:** No data available

**Physical status:** Liquid

**Appearance:** White

**Odor:** Slight

**Threshold odor:** No data available

**Density at 25°C (g/mL):** 1.04 - 1.05

**Freezing point:** No data available

**Boiling point:** No data available

**Vapor tension:** No data available

**Density of vapor:** No data available

**Coefficient of division (water/oil):** No data available

**Water solubility (Air=1):** Miscible in water

**Rate of evaporation:** No data available

**Volatility:** 70 ± 2 % (w/w)

**Viscosity (ZAHN #2):** 23-25 seconds

**pH:** 8.4 ± 0.4

## **Section 10. Stability and reactivity**

**Stability and reactivity:** Stable

**Incompatibility:** Oxidizing agents, strong acids, metallic alkyd, nitrites and other strong reducing agents.

**Hazardous decomposition products:** Thermal decomposition products such as carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), and trace of component elements.

**Conditions to avoid:** High temperatures, contact with incompatible materials.

**Hazardous polymerization:** Will not occur

## **Section 11. Toxicological information**

### **Information on ingredients:**

#### **Tripropylene glycol methyl ether (CAS: 25498-49-1)**

**OSHA:** REL, 0.10 mg/m<sup>3</sup> (0.012 ppm) 8 hours.

#### **Dipropylene glycol (mono) methyl ether (CAS : 34590-94-8)**

**RSST:** VEMP, 100 ppm (606 mg/m<sup>3</sup>)

**RSST:** VECD, 150 ppm (909 mg/m<sup>3</sup>)

**OSHA:** REL, TWA 100 ppm (606 mg/m<sup>3</sup>) cutaneous.

**NIOSH:** REL, TWA 100 ppm (606 mg/m<sup>3</sup>), ST 150 ppm (909 mg/m<sup>3</sup>)

#### **Triethylamine (CAS : 121-44-8)**

**RSST:** VEMP, 5 ppm (20,5 mg/m<sup>3</sup>)

**RSST:** VECD, 15 ppm (61,5 mg/m<sup>3</sup>)

**OSHA:** PEL-TWA, 25 ppm (100 mg/m<sup>3</sup>)

<b><u>Name</u></b>	<b><u>CAS</u></b>	<b><u>LD<sub>50</sub></u></b>	<b><u>LC<sub>50</sub></u></b>
Tripropylene glycol methyl ether (1 h)	25498-49-1	Rat (oral): 3 200 mg/kg  Rat (Skin): 15 400 mg/kg (24 h)	Rat (Inhalation):200,000 mg/m <sup>3</sup>
Propylene glycol	57-55-6	Rat (oral): 21.7 g/kg Mouse (oral): 24.8 g/kg Guinea pig (oral): 18.3 g/kg Rabbit (oral): 19.3 g/kg	
Ethylene glycol mono-2-ethylhexyl Ether	1559-35-9	Rat (oral): 5 149 mg/kg Mouse (oral): 3 898 mg/kg Rabbit (Skin): 2 584 mg/kg	
Dipropylene glycol (mono) methyl ether	34590-94-8	Rat (male) (Oral): 5 230 mg/kg Rat (female) (Oral): 5 180 mg/kg Rabbit (skin): 9 500 mg/kg	
Triethylamine	121-44-8	Rat (oral): 460 mg/kg	Mouse: 1 027 ppm (4 h)

**Routes of entry:** Eyes, skin, ingestion.

### **Potential acute effects**

- **Eyes:** The product can cause moderate eye irritation, such as redness, tingling, burning and swelling.
- **Skin:** The product may cause slight irritation to the skin if skin sensitivity such as redness and itching.
- **Inhalation:** The product can cause irritation to the respiratory tract in case of respiratory sensitivity.
- **Ingestion:** Unlikely. If ingested, product may cause irritation to the gastrointestinal tract.

**Potential chronic effects:** No data available

## **Section 12. Ecological information**

### **Ecological data:**

<b><u>Name</u></b>	<b><u>Results</u></b>	<b><u>Species</u></b>	<b><u>Period</u></b>
Propylene glycol (57-55-6)	CE <sub>50</sub> : > 10,000 mg/L	Daphnia magna	48 h

**Effects on environment:** No effects on the environment are anticipated.

**Environmental precautions:** For spills involving a large amount of the product, prevent infiltration of material into drains, sewers and water courses. The product is slightly basic.

**Breakdown products:** No data available

**Toxicity of the biological breakdown products:** No data available

## **Section 13. Disposal considerations**

**Waste disposal:** Dispose of this product in accordance with federal, state and local laws.

## Section 14. Transportation information

Classification DOT/ IMDG/IATA label: Not regulated as dangerous good

## Section 15. Regulatory information

GHS (Globally Harmonized System of Classification and Labelling of Chemicals):



Warning - Skin irritation (category 2)  
Eyes irritation (category 2B)

### Hazard statements:

H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.

### Precautionary statements

P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P103 - Read label before use.  
P264 - Wash hands and skin thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P281 - Use personal protective equipment as required.  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### CANADA:

WHMIS (Canada):



D2B: Toxic material causing other effects

### UNITED STATES:

NFPA rating



Health: 1  
Flammable: 0  
Reactivity: 0  
Special conditions: 0

Legend: 4: Severe, 3: High, 2: Moderate, 1: Slightly, 0: Not hazardous

### United States rules:

Nom	CAS	CERCLA EHS RQ	Section 313 RQ	RCRA Code
Triethylamine	121-44-8	5,000	313	U404

### REACH (EU):

ESIS - European chemical Substances Information System : Composite

REACH - Registration, Evaluation, Authorisation and Restriction of Chemical substances : Composite

List of Registered Substances Phase-in :

Registered like:

EC No.	CAS RN	Substance name	Full	OSII	TII
247-045-4	25498-49-1	[2-(2-methoxymethylethoxy) methylethoxy]propanol	Yes	-	-
200-338-0	57-55-6	propane-1,2-diol	Yes	-	-
252-104-2	34590-94-8	(2-methoxymethylethoxy) propanol	Yes	-	-
204-469-4	121-44-8	triethylamine	Yes	-	-

Full Indicates registration under REACH Article 10 as a full folder.

OSII Indicates registration under REACH Article 17 as an isolated intermediate on site (OSII).

TII Indicates registration under REACH Article 18 as a transported isolated intermediate (TII).

'Yes' Indicates the registration of the substance with REACH is complete.

'In Process' Indicates that a file on the substance has been successfully submitted to ECHA and gets treated, NB Compliance monitoring is ongoing (and could be unsuccessful).

## **Section 16. Additional information**

**Date of issue:** August 24<sup>th</sup>, 2015

**Version:** 2

**Elaborated by:** Toxyscan inc., 1-866-780-0599

### **References:**

- ANSI Z400.1, MSDS Standard, 2001.
- Manufacturer's Material Safety Data Sheet.
- 29CFR Part1910.1200 OSHA MSDS Requirements.
- 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. -Canada
- Gazette Part II, Vol. 122, No. 2 Registration SOR/88-64 31 December, 1987 Hazardous Products Act "Ingredient Disclosure List".
- Federal act on the controlled products
- Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2002.
- Toxicological repertory, HSC.
- Material safety data sheet from the components.

### **Notice to reader:**

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