



Safety Data Sheet

EX-DUO + (Part A)

Section 1. Chemical product and company identifications

Common name: EX-Duo + Gloss / Semi-gloss / Satin / Matte

Product code: 60414 / 60415 / 60416 / 60417

Product description: EX-Duo + 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>
Dipropylene glycol (mono) methyl ether	34590-94-8	1 to 5
Propylene glycol	57-55-6	1 to 5
Dipropylene glycol butyl ether	29911-28-2	1.0 to 1.5
Triethylamine	121-44-8	0.5 to 1.0

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 (CO₂), 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 (CO₂), 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: Translucent

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: 8.2 ± 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 (CO₂), 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:

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

RSST: VEMP, 100 ppm (606 mg/m³)

RSST: VECD, 150 ppm (909 mg/m³)

OSHA: REL, TWA 100 ppm (606 mg/m³) cutaneous.

NIOSH: REL, TWA 100 ppm (606 mg/m³), ST 150 ppm (909 mg/m³)

Triethylamine (CAS : 121-44-8)

RSST: VEMP, 5 ppm (20,5 mg/m³)

RSST: VECD, 15 ppm (61,5 mg/m³)

OSHA: PEL-TWA, 25 ppm (100 mg/m³)

<u>Name</u>	<u>CAS</u>	<u>LD₅₀</u>	<u>LC₅₀</u>
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	
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	
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:

<u>Name</u>	<u>Results</u>	<u>Species</u>	<u>Period</u>
Propylene glycol (57-55-6)	CE ₅₀ : > 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
249-951-5	29911-28-2	1-(2-butoxy-1-methylethoxy) propan-2-ol	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 24th, 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.

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