

Nexos Exterior Panel

Section 1. Identification

Common name: Nexos Exterior Panel

Synonym: Exterior grade panel

Material uses: Exterior millwork, mouldings and signs.

Supplier / Manufacturer:

Uniboard Canada Inc.

5555 Rue Ernest-Cormier

Laval

Québec, Canada, H7C2S9

Phone: 450-664-6000

In case of emergency:

450-664-6000

Or call your local Emergency Health Services Center.

Section 2. Hazards identifications

Note: This product is not hazardous in the form in which it is shipped by the manufacturer but may become hazardous by downstream activities (e.g., grinding, sanding, cutting, pulverizing) that reduce its particle size. Those hazards are described below.

Classification:



Combustible dust

Skin sensitization, Category 1

Carcinogenicity, Category 2

Specific target organ toxicity - Repeated exposure, Category 2

Signal word: Warning

Hazard statements:

H317: May cause an allergic skin reaction.

H351: Suspected of causing cancer.

H373: May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IF ON SKIN: Wash with plenty of water and soap.

P314: Get medical advice/attention if you feel unwell.

P321: Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

P333+P313: If skin irritation or a rash occurs: Get medical advice/attention.

P405: Store locked up.

P501: Dispose of contents / container by a local waste disposal company according to regional regulations.

Section 3. Composition and information on ingredients

Name	CAS	Concentration %
Methylene diphenyl 4,4'-diisocyanate	101-68-8	2 - 5
Urea	57-13-6	0.7 - 1.2
Paraffin waxes	8002-74-2	1.2 - 3

Section 4. First aid measures

Description of first aid if required:

First aid advice does not apply to the form shipped by the manufacturer. The advice applies following the production of wood dust created by cutting or sanding activities.

Eye contact:

Rinse eyes thoroughly with water for at least 15 minutes.

Skin contact:

Wash with plenty of water and soap.

Inhalation:

Bring the conscious victim to fresh air.

Ingestion:

Do not induce vomiting. If large amounts were swallowed, give water.

Indication of immediate medical attention and special treatment needed, if necessary:

Treat according to symptoms.

Most important acute symptoms and effects:

No known acute effects and/or symptoms.

Most important delayed symptoms and effects:

May cause an allergic skin reaction. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

Section 5. Fire fighting measures

Flammability of the product:

Combustible. Wood dusts are combustible and may form an explosive mix with air in the right circumstances and concentrations.

Flash point:

N/A

Auto-ignition temperature:

N/A

Products of combustion:

Carbon oxides

Special protective actions for fire-fighters:

Wear self-contained breathing apparatus and appropriate protective clothing.

Suitable extinguishing media:

Use means of extinction the most suited to the surrounding materials.

Treat as wood fire.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

For non emergency personnel: Evacuate the area.

For emergency personnel: Wear appropriate protective equipment (see section 8).

Environmental precautions:

Not applicable

Methods and material for containment and cleaning up:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. In particular a broom or a vacuum cleaner for wood dust.

Section 7. Handling and storage

Precautions in Handling:

Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes.

Precautions in Storage:

Keep container tightly closed in a cool, dry and well-ventilated place.

Section 8. Exposure Controls, Personal Protections

Control parameters:

Component	CAS	Value	Control parameters	Basis
Methylene diphenyl 4,4'-diisocyanate	101-68-8	TWA	0.005 ppm	ACGIH
Paraffin waxes	8002-74-2	TWA	2 mg/m ³	CNESST
		TWA	2 mg/m ³	ACGIH

Engineering controls:

Use mechanical exhaust or laboratory fumehood to avoid exposure.

Personal protective equipment:

Eyes: Wear safety glasses.

Skin/body: Wear suitable protective clothing.

Respiratory: If ventilation is insufficient, choose appropriate respiratory protection according to levels and duration of exposure.

Hands: Wear resistant protective gloves.

Other: Provide an emergency eye wash in the immediate work area.

Section 9. Physical and chemical properties

Physical state: Solid

Color: Variable

Odour: Wood odour

Melting point/Freezing point: Data not available

Boiling point: Data not available

Appearance: Wood

Flash point: Data not available

Auto-ignition temperature: Data not available

pH: Data not available

Solubility: Insoluble

Density: Data not available

Section 10. Stability and reactivity

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: High temperatures, humidities, incompatible materials. Avoid open flames and generation of dust.

Incompatible materials: Strong acids, strong bases, strong oxidizing agents

Hazardous decomposition products: Carbon oxides

Section 11. Toxicological information

Acute toxicity:

Component	CAS	Value
Methylene diphenyl 4,4'-diisocyanate	101-68-8	DL ₅₀ Oral: Rat = 9200 mg/kg CL ₅₀ Inhalation: Rat - = 2.24 mg/L 1h
Urea	57-13-6	DL ₅₀ Oral: Rat = 8471 mg/kg DL ₅₀ Oral: Mouse = 11000 mg/kg
Paraffin waxes	8002-74-2	DL ₅₀ Oral: Rat > 5000 mg/kg DL ₅₀ Cutaneous: Rabbit = 4000 mg/kg

Skin corrosion/irritation:

Methylene diphenyl 4,4'-diisocyanate: Causes skin irritation

Serious eye damage/irritation:

Methylene diphenyl 4,4'-diisocyanate: Causes serious eye irritation

Respiratory or skin sensitisation:

Methylene diphenyl 4,4'-diisocyanate: May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled

Gem cell mutagenicity:

Not applicable

Carcinogenicity:

Methylene diphenyl 4,4'-diisocyanate: Suspected of causing cancer

Reproductive toxicity:

Not applicable

STOT- Single exposure:

Methylene diphenyl 4,4'-diisocyanate: May cause respiratory irritation.

STOT- repeated exposure:

Methylene diphenyl 4,4'-diisocyanate: May cause damage to organs through prolonged or repeated exposure (respiratory system).

Aspiration hazard:

Not applicable

Information on likely route of exposure:

Not applicable

Section 12. Ecological information**Ecological data for aquatic environments:**

Component	CAS	Value
Methylene diphenyl 4,4'-diisocyanate	101-68-8	CE ₅₀ - Daphnia magna 0.35 mg/L - 24h
Urea	57-13-6	CL ₅₀ - Poecilia reticulata (guppy) 17500 mg/L - 96h CE ₅₀ - Daphnia magna 3910 mg/L - 48h

Persistence and degradability:

Data not available

Bioaccumulative potential:

Data not available

Mobility in soil:

Data not available

Other adverse effects:

Data not available

Section 13. Disposal considerations**Waste disposal:**

Dispose of the chemical waste is in conformity with the federal, provincial and local laws. Store the residues of the product in safe containers.

Section 14. Transportation information

No TDG/DOT/IMDG/IATA Classification

Section 15. Regulatory information

General product information:

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the safety data sheet contains all of the required information.

U.S. Federal regulations

California proposition 65 requirements: Piercing, sawing, sanding or shaping wood products creates wood dusts, a substance recognized for causing cancer according to the state of California. Avoid inhaling wood dusts or use a dust mask or other personal protection measures.

Occupational Safety and Health Administration: Wood products are not considered dangerous merchandise according to mentioned criteria in the Hazard Communication Standard of OSHA 29 CFR 1910.1200. However, diisocyanate and wood dusts produced by sawing, sanding or shaping of the panels may be hazardous.

Section 16. Additional information

Date of issue:

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Version:

2.00

Elaborated by:

Toxyscan inc.

Notice to reader:

To the best of our knowledge, the information contained herein is accurate. However, neither Toxyscan inc., nor the 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.

Références:

- *Répertoire toxicologique of la Commission des normes, de l'équité, de la santé et de la sécurité du travail.*
- *Registry of Toxic effects of Chemical Substances of the Canadian Centre for Occupational Health and Safety.*
- *Material safety data sheet from the manufacturer.*
- *Hazardous Products Regulations (DORS/2015-17).*
- *Canadian Transport of Dangerous Goods.*
- *GHS (rev.8) (2019) globally harmonized system of classification and labeling of chemicals - united nations*