SAFETY DATA SHEET — 16 Sections

SECTION 1 IDENTIFICATION

Product Name: Nische Solutions Blue Diamond Flooring FR

Other Means of Identification: Temporary Floor Sheeting

Recommended Use: Temporary surface and floor protection during construction, maintenance, and industrial operations.

Details of the supplier of the safety data sheet

Company name Nische Solutions Inc.

Company Address 2020 10060 Jasper Ave Edmonton AB T5J3R8

Contact information Tel: +1 (888) 245-1778
Email: info@nische.com
Monday to Friday 8:30 am to 4:30 pm

Emergency telephone number Tel: +1 (888) 245-1778
Monday to Friday 8:30 am to 4:30 pm

SECTION 2 HAZARDS IDENTIFICATION

Classification: This product is considered an ”article” under OSHA 29 CFR 1910.1200 and is not hazardous under normal conditions of use.

Hazards Not Otherwise Classified (HNOC):

- **Mechanical Hazard:** Sharp edges may be present after cutting.
- **Dust Hazard:** Cutting, sanding, or grinding can generate nuisance dust.
- **Combustion Hazard:** If ignited, will burn and release toxic gases.
- **Molten Polymer:** Contact with molten polymer can cause severe thermal burns.

GHS Label Elements: None required for the intact article.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

This product is a proprietary blend. The specific chemical identities and percentages are withheld as a trade secret.

Chemical Name	CAS Number	% by Weight
Polyolefin blend	Proprietary	60 - 80%
Halogenated flame retardant	Proprietary	10 - 20%
Antimony trioxide	1309-64-4	1 - 5%
Colorant/Fillers	Proprietary	< 5%

SECTION 4 FIRST-AID MEASURES

Inhalation:

- **Dust:** Move person to fresh air. If irritation persists, seek medical attention.
- **Fumes (from burning):** Immediately move person to fresh air. If breathing is difficult, administer oxygen. Seek immediate medical attention.

Skin Contact:

- **Product (Intact):** No adverse effects expected.
- **Molten Polymer: DO NOT** attempt to remove molten plastic. Cool the area rapidly with cold water. Seek immediate medical attention.

Eye Contact (Dust): Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, seek medical attention.

Ingestion: Unlikely route of exposure. If a small amount is ingested, rinse mouth. Do not induce vomiting.

SECTION 5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide (CO2).

Unsuitable Extinguishing Media: None known.

Specific Hazards Arising from the Chemical:

- Flame-retardant, but will burn if exposed to a continuous ignition source.
- Combustion will produce dense, irritating smoke and toxic gases, including carbon monoxide (CO), carbon dioxide (CO2), and hydrogen halides (e.g., hydrogen bromide).

Special Protective Equipment for Firefighters: Wear a self-contained breathing apparatus (SCBA) and full protective (bunker) gear.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Not applicable for the intact product. If dust is generated, wear a dust mask (N95) and safety glasses.

Environmental Precautions: This product is a plastic and is not biodegradable. Do not allow it to enter storm drains or waterways.

Methods for Cleaning Up: Pick up or roll up the material and place it in a suitable container for disposal or reuse. Sweep or vacuum any dust generated.

SECTION 7 HANDLING AND STORAGE

Handling:

- No special handling is required for the intact product.
- Use caution when cutting to avoid sharp edges.
- If cutting or sanding, work in a well-ventilated area and use appropriate PPE (see Section 8).

Storage:

- Store in a cool, dry, well-ventilated area.
- Store away from direct sunlight and ignition sources.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

- **Antimony trioxide (CAS 1309-64-4)**: OSHA PEL: 0.5 mg/m³ TWA
- **Nuisance Dust (Particulates Not Otherwise Regulated): OSHA PEL**: 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction)

Engineering Controls: Use local exhaust ventilation if cutting, sanding, or grinding the material.

Personal Protective Equipment (PPE):

- **Respiratory Protection:** Not required for normal handling. Use an N95-rated dust mask if dust is generated.
- **Hand Protection:** Gloves are recommended to protect against cuts or abrasions when handling.
- **Eye Protection:** Safety glasses with side shields are recommended if cutting or if dust is present.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Blue opaque sheet
Finish	Diamond plate or smooth texture
Odor	Slight plastic odor
Odor Threshold	Not applicable
pH	Not applicable
Melting Point	> 120°C (248°F)
Flash Point	> 300°C (572°F)
Flammability	Flame-retardant
Solubility in Water	Insoluble
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Relative Density (Specific Gravity)	> 1.0

SECTION 10 STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: High heat, direct sunlight.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide (CO), carbon dioxide (CO2), hydrogen halides, and other toxic fumes upon combustion.

SECTION 11 TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Dermal contact, inhalation (of dust or combustion fumes).

Acute Toxicity:

- **Product:** Not classified as acutely toxic. This product is an ”article” and is physiologically inert in its intact form.
- **Dust:** May cause mechanical irritation to the eyes and respiratory tract.
- **Antimony trioxide:** Classified as a potential carcinogen (IARC Group 2B). Risk is minimal as it is encapsulated within the polymer matrix.

Chronic Effects: No chronic effects are expected from handling the intact product. Long-term inhalation of high concentrations of any nuisance dust may affect lung function.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: No data available. Not expected to be toxic to aquatic life.

Persistence and Degradability: Not biodegradable. Polymer is expected to persist in the environment.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data-available.

Other Adverse Effects: This product is a plastic. Do not release it into the environment. It can contribute to plastic pollution in marine and land environments.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of waste and residues in accordance with all applicable local, state, and federal regulations. This product is not typically considered hazardous waste. It may be recyclable as a mixed plastic (check with local facilities).

SECTION 14 TRANSPORT INFORMATION

DOT (U.S.) Not regulated as a hazardous material.

IATA (Air) Not regulated as a hazardous material.

IMDG (Sea) Not regulated as a hazardous material.

SECTION 15 REGULATORY INFORMATION

OSHA: This product is considered an ”article” and is not subject to the Hazard Communication Standard (29 CFR 1910.1200) under normal use.

TSCA: All components are listed on the TSCA inventory or are exempt.

SARA 313: This product contains Antimony Trioxide (CAS 1309-64-4), which is subject to the reporting requirements of SARA Title III, Section 313.

SECTION 16 OTHER INFORMATION

Date of Preparation: November 4, 2025

Revision: 1.0

Disclaimer: 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 is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification.