



PRITHVI FLOOR GUARD

Category: Waterborne Low-Odor Floor Coating / Concrete Floor Seal

SECTION 1 — IDENTIFICATION

Product Name	PRITHVI FLOOR GUARD
Recommended Use	Waterborne floor sealer / coating for concrete and suitable substrates; dust suppression for data centres, industrial floors and high-traffic interior and exterior areas
Restrictions on Use	For industrial / professional application only — not for consumer or retail use

SECTION 2 — HAZARD(S) IDENTIFICATION

GHS Classification	Short-term (Acute) Aquatic Hazard – Category 3; Long-term (Chronic) Aquatic Hazard – Category 3
Signal Word	None (no signal word assigned at this hazard category)

Hazard Statements

- H412 – Harmful to aquatic life with long-lasting effects

Precautionary Statements

- P102 – Keep out of reach of children
- P273 – Avoid release to the environment

Pictogram(s) Required: None required for this classification

Other Hazards: None reported. No PBT/vPvB assessment data.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name / Ingredient	CAS No.	Conc. (% w/w)	GHS Classification
CMIT/MIT (3:1) — preservative/biocide	55965-84-9	< 0.003%	Not separately classified under GHS; contributes to overall product aquatic hazard classification (see Section 2)

Note: Exact composition is withheld as a trade secret in accordance with applicable regulations.



SECTION 4 — FIRST-AID MEASURES

Inhalation	<i>Remove to fresh air. Get medical help if any breathing difficulty occurs.</i>
Skin Contact	<i>Remove contaminated clothing (including shoes) and wash before reuse. Flush affected area with large amounts of soap and water. If irritation persists, seek medical attention.</i>
Eye Contact	<i>Flush eyes with large amounts of lukewarm water for 20 minutes, holding eyelids open. If irritation persists, seek medical attention.</i>
Ingestion	<i>Do not induce vomiting unless directed by a physician. Give two glasses of water. Seek medical attention immediately.</i>
Most Important Symptoms / Effects	<i>No irritancy noted; no acute or chronic effects reported</i>
Indication of Immediate Medical Attention	<i>None specified.</i>

SECTION 5 — FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	<i>Alcohol foam, carbon dioxide, dry chemical powder, polymer foam</i>
Unsuitable Extinguishing Media	<i>None specified</i>
Specific Hazards Arising from the Product	<i>Combustion may generate carbon monoxide, carbon dioxide and nitrogen oxides</i>
Special Protective Equipment for Firefighters	<i>Self-contained breathing apparatus (SCBA) and full protective gear recommended</i>

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions	<i>Wear adequate personal protective equipment; ensure adequate ventilation</i>
Environmental Precautions	<i>Prevent entry into drains, waterways and soil — harmful to aquatic life with long-lasting effects</i>
Methods for Containment & Cleanup	<i>Contain spill with absorbent material and place in a suitable covered, labelled container for disposal per local regulations</i>

SECTION 7 — HANDLING AND STORAGE

Precautions for Safe Handling	<i>Use in a well-ventilated area. Do not use with incompatible substances. Avoid contact with skin and eyes.</i>
Conditions for Safe Storage	<i>Store in a cool, well-ventilated area out of direct sunlight. Do not allow the container to exceed 49°C (120°F).</i>
Incompatible Materials	<i>Strong acids, strong oxidizing agents, strong bases</i>



SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	Exposure Limit	Source
CMIT/MIT (3:1)	Not established (NA)	Not established

Engineering Controls	Use mechanical ventilation to reduce exposure
Eye / Face Protection	Splash-resistant eye protection
Skin Protection	Butyl rubber gloves
Respiratory Protection	NIOSH-approved respirator if ventilation is inadequate

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid, white
Odour	Characteristic, mild odour
Initial Boiling Point & Range	Approx. 100°C (water-based system)
Flash Point	43°C, Closed Cup
Flammability (Solid/Gas)	Not flammable; not self-igniting. Product may form a flammable/explosive vapour-air mixture in use.
Vapour Pressure	3.2 kPa (23.8 mmHg) at 20°C
Relative Density	0.99 – 1.10 (0.77–0.85 at 20°C)
Solubility in Water	Miscible (waterborne emulsion)
VOC Content	< 55 ppm as supplied; 60.0% VOC content excluding exempt solvents

SECTION 10 — STABILITY AND REACTIVITY

Reactivity	No specific reactivity data available
Chemical Stability	Stable at normal temperatures under recommended storage conditions
Possibility of Hazardous Reactions	None known
Conditions to Avoid	Ignition sources, heat, sparks, open flame, generation of dust, temperatures above 194°C; do not exceed 49°C (120°F) in storage
Incompatible Materials	Strong acids, strong oxidizing agents, strong bases
Hazardous Decomposition Products	Carbon monoxide



SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Toxicity — Inhalation	<i>LC50 (CMIT/MIT component): 35 ppm (vapour, rat)</i>
Skin Corrosion / Irritation	<i>No irritancy reported</i>
Serious Eye Damage / Irritation	<i>No irritancy reported</i>
Carcinogenicity	<i>Not classified for the product as formulated; see note below regarding source data</i>

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity	<i>Product classified Aquatic Acute 3 / Aquatic Chronic 3 (H412 – harmful to aquatic life with long-lasting effects)</i>
Other Adverse Effects	<i>None known</i>

SECTION 13 — DISPOSAL CONSIDERATIONS

Disposal Methods	<i>Dispose of in accordance with local, state and national regulations. Do not puncture, incinerate or compact containers. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.</i>
Contaminated Packaging	<i>Empty cans should be recycled where local facilities permit; otherwise dispose of per local regulations. Do not reuse empty containers.</i>

SECTION 14 — TRANSPORT INFORMATION

UN Number	<i>UN1263 (per TDG shipping data) / Not Regulated (per international transport classification) — inconsistent in source, to be confirmed</i>
UN Proper Shipping Name	<i>Water-Based Non-Hazardous Paint</i>
Transport Hazard Class(es)	<i>Not Regulated / Non-Hazardous</i>
Packing Group	<i>Not Applicable</i>
Environmental Hazards	<i>Yes — Aquatic Chronic 3 (H412)</i>
Special Precautions for User	<i>None</i>



PRITHVI COATINGS

Advanced Coatings for Sustainable Future

SAFETY DATA
SHEET (SDS)

SECTION 15 — REGULATORY INFORMATION

To be confirmed against applicable Bahrain/GCC and India regulations (e.g. Bureau of Indian Standards classification, GHS as adopted locally). Note: source data referenced US/Canada-specific frameworks (SARA 355/313, TSCA, California Proposition 65, Canadian WHMIS, EPA and IARC carcinogen categories) that are not directly applicable to GCC/India distribution and have been omitted pending review against local regulatory requirements