

Material Safety Data Sheet (MSDS)

BC Bitu-Gold 180

Torch-Applied SBS Modified Bituminous Waterproofing Membrane

1. PRODUCT IDENTIFICATION

Product Name: BC Bitu-Gold 180

Product Type: Torch-Applied SBS Modified Bituminous Membrane

Application: Waterproofing for roofs, foundations, terraces, podiums, basements

Manufacturer: Building Chemistry Industry

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2. HAZARD IDENTIFICATION

GHS Classification:

- Flammable Solid – Category 1 (during torching)
- Skin Irritant – Category 2
- Eye Irritant – Category 2
- Specific Target Organ Toxicity (single exposure) – Category 3 (respiratory tract irritation)
- Environmental Hazard – Aquatic Chronic 3

Signal Word: Danger

Hazard Statements:

- H228 Flammable solid
- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H335 May cause respiratory irritation

- H412 Harmful to aquatic life with long-lasting effects

Precautionary Statements:

- P210 Keep away from heat, sparks, open flames, and hot surfaces.
- P261 Avoid breathing fumes/smoke.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- 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.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P501 Dispose of contents/container in accordance with local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Classification
Bitumen (SBS modified)	8052-42-4	Skin Irrit. 2, Aquatic Chronic 3
Styrene-Butadiene-Styrene polymer	Proprietary	Not classified
Polyester Reinforcement	N/A	Not classified
Mineral/Aluminium/Sand Top Finish	N/A	Not classified

4. FIRST AID MEASURES

Inhalation: Move affected person to fresh air. Seek medical attention if irritation persists.

Skin Contact: Remove contaminated clothing. Wash thoroughly with soap and water.

Eye Contact: Rinse with water for at least 15 minutes. Seek medical attention.

Ingestion: Unlikely; rinse mouth if accidentally ingested and seek medical advice.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical, foam, CO₂. Do not use water directly on molten bitumen.

Special Hazards: Combustion may release CO, CO₂, SO₂, and other irritating fumes.

Protective Equipment for Firefighters: Wear full protective clothing and self-contained breathing apparatus (SCBA).

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with hot membrane. Use heat-resistant gloves.

Environmental Precautions: Avoid runoff into drains or watercourses.

Methods for Cleaning Up: Allow to cool and solidify, then scrape and collect for proper disposal.

7. HANDLING AND STORAGE

Handling: Avoid direct contact. Use protective gloves and eyewear. Follow torch safety procedures.

Storage: Store rolls vertically in a cool, dry, shaded area. Protect from heat, flames, and moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Ensure adequate ventilation during heating.

Personal Protective Equipment (PPE):

- Gloves: Heat-resistant and chemical-resistant
- Eye/Face: Safety goggles or face shield
- Body: Protective clothing

- Respiratory: Not normally required; use respirator if fumes generated during torching exceed safe limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Form	Solid roll / flexible membrane
Color	Black (top finish may vary: mineral/aluminium/sand)
Odor	Bituminous
Softening Point	130–140°C (Ring & Ball)
Penetration (25°C)	20–30 dmm
Density	~1.0–1.2 g/cm ³
Water Absorption (24h)	<3.2%

10. STABILITY AND REACTIVITY

- Stable under normal conditions.
- Avoid overheating and open flame exposure beyond torching use.
- Decomposition may produce CO, CO₂, SO₂, and other irritating gases.

11. TOXICOLOGICAL INFORMATION

- Skin irritation possible on prolonged contact with hot bitumen.
- Eye irritation from splashes or fumes.
- Inhalation of smoke/fumes may cause respiratory irritation.

12. ECOLOGICAL INFORMATION

- Avoid release into the environment.
- Bitumen is slowly biodegradable; may cause long-term effects in aquatic organisms.

13. DISPOSAL CONSIDERATIONS

- Dispose of solid waste at authorized disposal facilities.
- Avoid release to water or soil.

14. TRANSPORT INFORMATION

- Not classified as hazardous for transport when in roll form.
- Handle with care to avoid physical damage and fire risk.

15. REGULATORY INFORMATION

- Complies with local Saudi regulations for bituminous waterproofing materials.
- Follow GHS labeling for flammable solids and skin/eye irritants.

16. OTHER INFORMATION

- Use torch only in well-ventilated areas with PPE.
- Follow manufacturer's installation guidelines.
- This SDS is intended for professional/industrial use.

DISCLAIMER: The information provided is based on laboratory testing and practical experience. Variations in substrate, application method, and environmental conditions may impact performance. Building Chemistry Industry is only responsible for product replacement in cases of proven manufacturing defect.

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