



MATERIAL SAFETY DATA SHEET (MSDS)

Bitumen Primer D41 (Solvent-Based Cutback Asphalt Primer)

Prepared for: Basekim

SECTION 1 — IDENTIFICATION

Product Name: Bitumen Primer D41

Other Names: Cutback Asphalt Primer, Solvent-Based Bitumen Primer

Recommended Use: Surface priming for roofing, waterproofing, concrete, metal, wood, and asphalt substrates.

Manufacturer/Supplier: Basekim

SECTION 2 — HAZARD IDENTIFICATION

Classification (GHS):

- Flammable Liquid — Category 3
- Skin Irritation — Category 2
- Eye Irritation — Category 2B
- Specific Target Organ Toxicity (Single Exposure) — Category 3 (respiratory & CNS effects)
- Aspiration Hazard — Category 1

Signal Word: DANGER

Hazard Statements:

- Highly flammable liquid and vapor.
- Causes skin irritation.
- Causes eye irritation.



- May cause respiratory irritation.
- May cause drowsiness or dizziness.
- May be fatal if swallowed and enters airways.
- Harmful to aquatic life with long-lasting effects.

Precautionary Statements:

- Keep away from heat, sparks, open flames.
- Use explosion-proof electrical equipment.
- Avoid breathing vapors.
- Use only outdoors or in well-ventilated areas.
- Wear protective gloves, goggles, and clothing.
- Keep container tightly closed.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Approx. %
Asphalt (bitumen)	8052-42-4	60–70%
Mineral Spirits	64742-88-7	20–30%
p-Bromobenzotrifluoride / Modified Solvents	98-56-6	5–10%
Additives / Adhesion Promoters	Proprietary	< 2%

No components listed as carcinogenic by IARC, NTP, or OSHA.

SECTION 4 — FIRST AID MEASURES

Inhalation:

Move to fresh air. Keep the victim warm and at rest. If breathing is difficult, seek medical attention.

Skin Contact:

Wash affected area with soap and water. Remove contaminated clothing. Seek medical help if irritation persists.

**Eye Contact:**

Rinse immediately with plenty of water for at least 15 minutes. Seek medical advice if irritation continues.

Ingestion:

DO NOT induce vomiting—may cause aspiration into lungs. Seek immediate medical attention.

Most Important Symptoms:

- Dizziness, drowsiness
- Headaches due to solvent inhalation
- Skin dryness or cracking
- Eye irritation

SECTION 5 — FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

- Dry chemical
- CO₂
- Foam
- Water fog (never a direct stream)

Fire Hazards:

- Highly flammable vapors can travel and ignite.
- Containers may explode when heated.

Special Protective Equipment:

- Full protective gear
- Self-contained breathing apparatus (SCBA)



SECTION 6 — ACCIDENTAL RELEASE MEASURES

- Eliminate all ignition sources.
- Ventilate the area.
- Stop leak if safe to do so.
- Use absorbents (sand, soil, commercial pads).
- Do not allow product to enter drains or waterways.
- Dispose of waste according to local regulations.

SECTION 7 — HANDLING AND STORAGE

Handling:

- Use with adequate ventilation.
- Avoid contact with skin and eyes.
- Keep away from flames, sparks, and hot surfaces.
- Ground all equipment during transfer.

Storage:

- Store in cool, dry, well-ventilated place.
- Keep container tightly closed.
- Recommended storage temperature: **5°C – 45°C**
- Keep away from oxidizers.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:

- Use local exhaust ventilation.
- Explosion-proof ventilation is recommended.

**Personal Protective Equipment (PPE):****Respiratory Protection:**

Organic vapor cartridge respirator if ventilation is inadequate.

Skin Protection:

Nitrile or neoprene gloves; protective clothing.

Eye Protection:

Safety goggles or face shield.

Hygiene Measures:

Wash hands after handling. Remove contaminated clothing.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Black liquid
Odor	Hydrocarbon
Density	0.85 – 0.95 g/cm ³
Viscosity	50–150 cP
Flash Point	≥ 38°C (100°F)
VOC Content	≤ 200 g/L
Solubility	Insoluble in water
Boiling Range	150–200°C
Drying Time	1–5 minutes

SECTION 10 — STABILITY AND REACTIVITY

Stable under normal storage and handling.

Avoid:

- Heat, sparks, flames
- Strong oxidizing agents



Hazardous Decomposition Products:

- Carbon monoxide
- Carbon dioxide
- Hydrocarbons fumes

SECTION 11 — TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:

- Inhalation
- Skin contact
- Eye contact

Potential Effects:

- Skin dryness, irritation
- Dizziness, headaches
- Eye irritation

Chronic Exposure:

Long-term inhalation of solvent vapors may affect the nervous system.

Product is **not considered carcinogenic**.

SECTION 12 — ECOLOGICAL INFORMATION

- Harmful to aquatic life.
- Avoid release to water bodies.
- Not readily biodegradable.
- Mobile in soil due to solvents.



SECTION 13 — DISPOSAL CONSIDERATIONS

- Dispose of waste through licensed facilities.
- Do not release into drains.
- Empty containers may contain residue—handle as hazardous waste.

SECTION 14 — TRANSPORT INFORMATION

Classification	Details
UN Number	UN 1993
Proper Shipping Name	Flammable Liquid, N.O.S. (Petroleum Distillates)
Hazard Class	3
Packing Group	III
Label	Flammable Liquid

SECTION 15 — REGULATORY INFORMATION

Complies with:

- OSHA Hazard Communication Standard
- GHS classification
- EPA VOC regulations
- Relevant ASTM standards (D41, D93, D1475, etc.)

SECTION 16 — OTHER INFORMATION

Prepared by: Basekim Technical Department

Revision Date: 2026

This MSDS is based on current knowledge and applies to the product as delivered. Users are responsible for ensuring safe handling conditions that meet local regulations.