



MATERIAL SAFETY DATA SHEET (MSDS)

Cutback Bitumen MC-30

SECTION 1 – Identification

Product Name: Cutback Bitumen MC-30

Product Type: Medium Curing (MC) Cutback Asphalt

Recommended Use: Prime coat for road construction, base course penetration, dust control, and pavement maintenance.

SECTION 2 – Hazard Identification

GHS Classification

- Flammable Liquid – Category 3
- Aspiration Hazard – Category 1
- Skin Irritation – Category 2
- Eye Irritation – Category 2A
- STOT Single Exposure – Category 3

Signal Word: DANGER

Hazard Statements

- Flammable liquid and vapor.
- Causes skin and eye irritation.
- May cause drowsiness or dizziness.
- May be fatal if swallowed and enters airways.
- Harmful to aquatic life with long-lasting effects.

SECTION 3 – Composition / Information on Ingredients

Component	CAS No.	Typical Content
Bitumen	8052-42-4	50–90%
Kerosene / Petroleum Distillate	8008-20-6	10–50%

Composition may vary slightly depending on the manufacturer.

SECTION 4 – First Aid Measures

Inhalation

Move the affected person to fresh air. Seek medical attention if symptoms persist.

Skin Contact

Wash thoroughly with soap and water. Remove contaminated clothing.

Eye Contact

Flush immediately with clean water for at least 15 minutes and seek medical advice.

Ingestion

Do **NOT** induce vomiting. Obtain immediate medical attention because of the aspiration hazard.

SECTION 5 – Fire Fighting Measures

**Suitable Extinguishing Media**

- Alcohol-resistant foam
- Dry chemical powder
- Carbon dioxide (CO₂)
- Dry sand

Do Not Use

- High-pressure water jet

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Dense black smoke

SECTION 6 – Accidental Release Measures

- Eliminate all ignition sources.
- Wear appropriate PPE.
- Prevent product from entering drains and waterways.
- Absorb spill with sand or inert absorbent material.

SECTION 7 – Handling and Storage

- Keep away from heat, sparks and open flames.
- Use only in well-ventilated areas.
- Keep container tightly closed.
- Store below **40°C** in a cool, dry place.
- Protect from direct sunlight.

SECTION 8 – Exposure Controls / Personal Protection**Engineering Controls**

- Local exhaust ventilation

Personal Protective Equipment

- Safety goggles
- Nitrile gloves
- Protective clothing
- Organic vapor respirator where ventilation is inadequate

SECTION 9 – Physical and Chemical Properties

Property	Typical Value
Appearance	Black liquid
Odor	Petroleum
Density @25°C	0.90–0.98 g/cm ³
Flash Point	≥38°C
Solubility	Insoluble in water
Viscosity @60°C	30–60 mm ² /s



SECTION 10 – Stability and Reactivity

- Stable under normal storage conditions.
- Avoid heat, sparks, flames, and oxidizing agents.
- Hazardous decomposition products include CO and CO₂.

SECTION 11 – Toxicological Information

Possible health effects:

- Skin irritation
- Eye irritation
- Respiratory irritation from vapors
- Central nervous system depression
- Aspiration hazard if swallowed

SECTION 12 – Ecological Information

- Harmful to aquatic organisms.
- Prevent release into soil, drains, and waterways.
- Not readily biodegradable.

SECTION 13 – Disposal Considerations

Dispose of unused product and contaminated packaging according to local environmental regulations.

SECTION 14 – Transport Information

UN Number: UN 1999

Proper Shipping Name: Tars, Liquid (including road oils and cutback bitumens)

Hazard Class: 3

Packing Group: III

SECTION 15 – Regulatory Information

Prepared in accordance with GHS recommendations for solvent-based cutback bitumen products.

SECTION 16 – Other Information

MC-30 is a medium-curing cutback bitumen manufactured by blending penetration-grade bitumen with kerosene or similar petroleum distillates. It is primarily used as a prime coat in road construction and should be handled with appropriate precautions due to its flammable solvent content.