



MATERIAL SAFETY DATA SHEET (MSDS)

Product: Cold Asphalt

Company: ATDM – Supplier of Bitumen & Asphalt Products (Iran & UAE)

Version: 1.0

Last Update: 2025

SECTION 1: PRODUCT IDENTIFICATION

Product Name: Cold Asphalt

Other Names: Cold Mix Asphalt, Cold Patch Mix, Ready-Mix Asphalt

Recommended Use: Road repair, pothole filling, surface correction

Supplier: ATDM (Iran & UAE)

Emergency Contact: Available upon request

SECTION 2: HAZARD IDENTIFICATION

Classification:

- Not classified as hazardous under normal conditions
- Non-flammable in normal handling
- Mild nuisance dust may occur during use

Potential Health Effects:

- **Eyes:** May cause mild irritation from dust or particles
- **Skin:** Possible temporary irritation
- **Inhalation:** Light dust may irritate throat
- **Ingestion:** Not intended for consumption

Environmental Hazards:

- Slight risk of waterway contamination if material enters drainage systems

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	Percentage (%)	Description
Bitumen Binder	3–7%	Petroleum-based binder
Aggregates	88–95%	Crushed stone, gravel, sand
Additives	1–3%	Anti-strip, bonding improvers
Solvents (Low Level)	<1%	Helps maintain workable cold mix

SECTION 4: FIRST AID MEASURES

Eye Contact:

Rinse with plenty of clean water for several minutes. Seek medical advice if irritation continues.

Skin Contact:

Wash with soap and warm water. Remove clothing contaminated with dust.

Inhalation:

Move to fresh air. Rinse mouth if irritation occurs.

Ingestion:

Do not induce vomiting. Rinse mouth and seek medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

- **Non-flammable** under normal conditions
 - Use standard fire-extinguishing media (foam, dry chemical, CO₂, sand)
 - Avoid high-temperature flames on stored product
 - Firefighters should use protective equipment
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SECTION 6: ACCIDENTAL RELEASE MEASURES

- Prevent product from entering drains
 - Sweep or shovel into containers for reuse
 - Wash area with minimal water
 - Avoid dust generation
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SECTION 7: HANDLING & STORAGE

Handling:

- Use gloves and simple protective clothing
- Avoid inhaling dust
- Compact properly after application

Storage:

- Store in cool, dry place
 - Keep bags sealed until use
 - Avoid prolonged sunlight exposure
 - Store away from ignition sources (although product is not highly flammable)
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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection:

- Gloves
- Dust mask (optional)
- Safety glasses during pouring

Engineering Controls:

- Normal ventilation is sufficient

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Physical State	Solid mix (aggregates + binder)
Color	Black
Odor	Mild petroleum odor
Flash Point	>230°C
Solubility	Insoluble in water
Workability Temp	Ambient (no heating required)

SECTION 10: STABILITY AND REACTIVITY

- Stable at normal temperatures
 - Avoid strong oxidizing agents
 - No dangerous reactions expected
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SECTION 11: TOXICOLOGICAL INFORMATION

- Low toxicity
 - Prolonged skin contact may cause irritation
 - Inhalation of dust may irritate respiratory system
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SECTION 12: ECOLOGICAL INFORMATION

- Low environmental risk
 - Avoid large spills into watercourses
 - Non-biodegradable minerals
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SECTION 13: DISPOSAL CONSIDERATIONS

- Reuse material whenever possible
- Dispose according to local environmental regulations
- Do not wash into drains

SECTION 14: TRANSPORT INFORMATION

- Not classified as hazardous for transport
- Can be shipped in bags, jumbo bags, or bulk
- No UN number required

SECTION 15: REGULATORY INFORMATION

- Complies with general international bitumen regulations
- Not classified under hazardous substances rules

SECTION 16: OTHER INFORMATION

Prepared for ATDM customers and distributors. Suitable for export compliance, customs, and quality documentation.