

PRO-ROAD® Cold Mix — Cold Mix Asphalt

Safety Data Sheet · 16 sections

Prepared in the 16-section format of the UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The user must verify applicability under local regulations (e.g., OSHA HCS 29 CFR 1910.1200; Regulation (EC) No 1907/2006 Annex II; WHMIS 2015).

1. Identification of the product and of the company

Item	Information
Product name	PRO-ROAD® Cold Mix — Cold mix asphalt
Recommended use	Repair of potholes, cracks, utility cuts and edges in pavements; road maintenance. Applied cold, without heavy equipment, with immediate opening to traffic.
Uses advised against	Any use other than the one indicated. Do not heat the product. Do not use as a structural layer.
Supplier	PRO-ROAD® · www.proroadglobal.com · info@proroadglobal.com
24 h emergency telephone	PRO-ROAD® 24 h: (+57) 301 502 5015 · USA — CHEMTREC 1-800-424-9300 · International — CHEMTREC +1 703 527 3887 · or local emergency services (e.g., 911 / 112).

2. Hazards identification

Item	Information
Signal word	WARNING
GHS classification	Not classified as flammable or acutely toxic under normal conditions of use. As a precaution, because of the asphalt content and the possible generation of aggregate dust: Skin irritation Category 3 (H316) · Eye irritation Category 2B (H320) · Specific target organ toxicity, single exposure, Category 3, respiratory tract irritation (H335) · Hazardous to the aquatic environment, chronic, Category 3 (H412).
Hazard statements (H)	H316 — Causes mild skin irritation · H320 — Causes eye irritation · H335 — May cause respiratory irritation (dust generated during handling) · H412 — Harmful to aquatic life with long lasting effects.
Precautionary statements (P)	P261 — Avoid breathing dust · P264 — Wash hands and exposed skin thoroughly after handling · P273 — Avoid release to the environment · P280 — Wear protective gloves and eye 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; remove contact lenses, if present and easy to do; continue rinsing.
Pictogram	GHS07 (exclamation mark) — see below.
NFPA 704 (assessment per the standard's criteria)	Health 1 · Flammability 1 (flash point > 93 °C / 200 °F) · Instability 0 · Special hazard: none.
Other hazards	Mild skin irritation from prolonged contact with asphalt; respiratory discomfort if handled in confined spaces with dust generation; moderate environmental hazard from the hydrocarbons in the asphalt (chronic). No appreciable vapours at ambient temperature. Note: H316 and H320 are GHS categories not adopted under EU CLP (Regulation (EC) No 1272/2008); under CLP the mixture would not be classified for those endpoints.



GHS07 pictogram — exclamation mark. Signal word: WARNING.

3. Composition / information on ingredients

Component	CAS No.	Proportion (approx.)	Classification
Mineral aggregates (crushed stone and sand)	Not applicable	> 90 %	Not classified
Asphalt cement 60/70 (petroleum asphalt / bitumen)	8052-42-4	< 10 %	Not classified at ambient temperature
Vegetable-based additive (biodegradable)	Not applicable	< 2 %	Not classified

Substance or mixture: **mixture**. Contains no hydrocarbon solvents, aromatic compounds or flammable fuels. Contains no components classified as hazardous in the proportions present.

4. First-aid measures

Route	Measure
Inhalation (dust)	Move the person to fresh air. If discomfort persists, seek medical attention.
Skin contact	Wash with plenty of soap and water. Remove contaminated clothing. If irritation persists, consult a physician. Asphalt residues can be removed with mineral or vegetable oil followed by soap and water; do not use solvents.
Eye contact	Rinse immediately with plenty of clean water or saline solution for at least 15 minutes, keeping the eyelids open. If irritation persists, seek medical attention.
Ingestion	Do not induce vomiting. Rinse the mouth with water. Seek medical attention and take this sheet to the nearest medical centre.
Most important symptoms	Mild skin and eye irritation; cough or respiratory discomfort from dust.

5. Fire-fighting measures

- The product is not flammable under normal conditions; its asphalt component can burn only at high temperatures (flash point > 250 °C / 482 °F).
- **Extinguishing media:** dry chemical powder, CO₂, foam. Do not use a direct water jet on hot asphalt.
- **Specific hazards:** combustion may produce dense smoke, carbon monoxide, carbon dioxide and irritating vapours.
- **Protection for fire-fighters:** self-contained breathing apparatus and full protective clothing. For small fires, standard work PPE. If the fire cannot be controlled, evacuate the area at least 50 m (165 ft) upwind.

6. Accidental release measures

- Avoid generating dust. Wear gloves and eye protection.
- Collect mechanically (shovel, broom) and place in suitable containers for reuse or disposal. Do not collect with bare hands.
- Prevent the material from entering drains, watercourses or unpaved soil.
- Clean spilled material can be reused in the repair.

7. Handling and storage

- **Handling:** wear gloves, eye protection and work clothing. Lift the bag (22.5 kg / 49.6 lb) with proper technique or with two people. Do not heat the product. Do not eat, drink or smoke while using it. Wash hands after handling.
- **Storage:** closed bag, in a dry place, under cover or in the shade, at ambient temperature, away from sources of ignition, heat or sparks. Avoid contamination with water or soil. Keep out of reach of children.
- **Shelf life:** 12 months in the sealed bag under the stated conditions.

8. Exposure controls / personal protection

Protection	Recommendation
Engineering controls	Work outdoors or with adequate ventilation. Lightly dampen if dust is generated when handling dry aggregates.
Respiratory	Dust mask (N95 / P95 / P100) if dust is generated. Organic-vapour respirator only if the product is exposed to high temperatures (use not recommended).
Hands	Nitrile or nitrile-coated gloves.
Eyes	Safety glasses (clear or tinted according to lighting).
Skin and body	Long-sleeved work shirt and long trousers.
Feet	Safety boots with toe cap.
Exposure limits	No specific limits have been established for the mixture. Reference: asphalt fume, as benzene-soluble aerosol (inhalable fraction), ACGIH TLV-TWA 0.5 mg/m ³ (applies only to hot asphalt; this product is not heated). Inhalable aggregate dust: apply local limits for particulates not otherwise classified.

9. Physical and chemical properties

Property	Value
Physical state	Granular solid with binder (loose mix)
Appearance / colour	Black granules
Odour	Asphaltic, slightly vegetable
pH	Not applicable
Flash point	> 250 °C / 482 °F (asphalt component)
Flammability	Not flammable under normal conditions
Compacted mix density	1.9 – 2.2 g/cm ³
Solubility	Insoluble in water and in fuels (diesel, gasoline)
Thermal stability	Stable; avoid extreme heat (> 200 °C / 392 °F)

10. Stability and reactivity

- **Stability:** the product is stable under normal storage and use conditions.
- **Conditions to avoid:** extreme heat (> 200 °C), open flames, sparks.
- **Incompatible materials:** strong oxidising agents.
- **Reactivity:** does not react dangerously with water or with petroleum products.
- **Hazardous decomposition products:** on combustion, CO, CO₂ and hydrocarbon fumes.

11. Toxicological information

- Mild skin irritation from prolonged contact. Eye irritation from contact with particles.
- Possible respiratory irritation from inhalation of aggregate dust.
- No evidence of carcinogenic, mutagenic or reproductive-toxicity effects attributable to this formulation (solvent-free, with no appreciable content of volatile polycyclic aromatic hydrocarbons at ambient temperature). Petroleum asphalt at ambient temperature is not classified as a carcinogen.

12. Ecological information

- Slow biodegradation of the asphalt component; the additive is vegetable-based and biodegradable.
- Harmful to aquatic life with long lasting effects (H412). Do not discharge into watercourses, drains or unpaved soil.

- Do not spread the product outside the repair area.

13. Disposal considerations

Clean leftover material can be reused. Waste and empty bags are managed as non-hazardous waste impregnated with hydrocarbons: deliver to an authorised waste manager or dispose of in accordance with local regulations. Do not discharge into drains or burn. The polyethylene bag can be recycled if clean.

14. Transport information

Item	Detail
UN number	Not applicable
Hazard class / packing group	Not regulated
Proper shipping name	Not dangerous goods
Regulations (UN Model Regulations, ADR/RID, IMDG Code, IATA DGR)	Not classified as dangerous goods: contains no flammable liquids or regulated substances. No hazard labels, placards or emergency card required.
Recommendations	Transport on pallets, covered (tarpaulin or stretch film) and protected from rain. Wear gloves when loading and unloading. Avoid inhaling dust. Keep the vehicle free of mix residues.

15. Regulatory information

- Sheet prepared in the 16-section format of the UN GHS.
- Country of manufacture (Colombia): GHS adopted by Decree 1496 of 2018; reference standard NTC 4435; not dangerous goods under Decree 1609 of 2002.
- Verify applicability of local regulations in the country of use, e.g., OSHA Hazard Communication Standard 29 CFR 1910.1200 (USA); WHMIS 2015 (Canada); Regulation (EC) No 1907/2006 (REACH) Annex II and Regulation (EC) No 1272/2008 (CLP) (EU); ABNT NBR 14725 (Brazil).

16. Other information

- This sheet applies only to the PRO-ROAD® Cold Mix formulation (solvent-free cold mix asphalt with vegetable-based additives). It will be updated when the composition or the applicable regulations change or when relevant new toxicological or environmental information becomes available, and reviewed at least every three years.
- The user must read and understand this sheet before handling the product and pass this information on to those who handle it. PRO-ROAD® is not responsible for uses other than those recommended or for improper handling beyond its control.
- Date of issue: September 2026 · Version 01 · Recommended validity: 3 years.

The information in this sheet is based on current knowledge of the product, its composition and GHS good practice. It is provided as a guide for safe handling and does not constitute a guarantee of specific properties. See also the Technical Data Sheet (PRG-TDS-02) and the Terms and Conditions of Use (PRG-TYC-01).