MATERIAL SAFETY DATA SHEET (MSDS)

QLJ-333 Pressure-Sensitive Asphalt Repair Material

Company	Shandong Quanleiji International Trade Co., Ltd.
Effective date	September 5, 2025
Emergency phone	+86-15954320222

Prepared for courier, logistics and export documentation review.

Material Safety Data Sheet

QLJ-333 Pressure-Sensitive Asphalt Repair Material

MSDS

1. Identification of the Substance/Mixture and of the Company

Product name	QLJ-333 Pressure-Sensitive Asphalt Repair Material
Recommended use	Industrial use. Not for consumption.
Company	Shandong Quanleiji International Trade Co., Ltd.
Address	Jianbu Village, Huangshan Subdistrict, Zouping, Binzhou, Shandong, China
E-mail	709432125@qq.com
Emergency telephone	+86-15954320222
Effective date	September 5, 2025

2. Hazards Identification

GHS classification	Physical hazards: Not classified. Health hazards: Carcinogenicity, Category 1A. Environmental hazards: Hazardous to the aquatic environment, Acute Category 3.
Signal word	Danger
Hazard statements	H350: May cause cancer. H402: Harmful to aquatic life.
Precautionary statements	P203: Obtain, read and follow all safety instructions before use. P280: Wear protective gloves, protective clothing, eye protection, face protection and hearing protection. P273: Avoid release to the environment. P318: If exposed or concerned, get medical advice. P405: Store locked up. P501: Dispose of contents/container in accordance with local, regional, national and international regulations.
Other hazards	No data available.

3. Composition/Information on Ingredients

Component	Content (%)	CAS No.	EC No.
Gravel	50	471-34-1	207-439-9
Sand	40	14808-60-7	238-878-4
Stone powder	5	471-34-1	207-439-9
Petroleum asphalt	5	8052-42-4	232-490-9

4. First-Aid Measures

Skin contact	Wash skin thoroughly with plenty of water. If irritation persists, seek medical attention.
Eye contact	Rinse cautiously with running water for at least 15 minutes. If irritation persists, seek medical attention.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Seek medical attention if feeling unwell.
Ingestion	Rinse mouth with warm water if conscious. Seek medical attention.
Most important symptoms/effects	No data available.
Indication of immediate medical attention	No data available.

5. Fire-Fighting Measures

Suitable extinguishing media	Water mist, dry powder, carbon dioxide and appropriate foam.
Specific hazards	At high temperature or during combustion, calcium oxides, carbon oxides and silicon oxides may be released.
Special protective actions	Firefighters should wear self-contained breathing apparatus and protective clothing to prevent skin and eye contact. Extinguish from upwind. Evacuate unrelated personnel to a safe area.

6. Accidental Release Measures

Personal precautions	Use personal protective equipment. Ensure adequate ventilation. Avoid inhalation. Eliminate all ignition sources. Prevent unauthorized personnel from entering.
Environmental precautions	Prevent further leakage if safe to do so. Do not allow product to enter drains. Avoid release to the environment.
Methods and materials for containment and cleaning up	Collect with a clean shovel into a dry, clean, covered container. Keep closed and dispose of properly. Sweep and ventilate after cleanup. Avoid dust generation.

7. Handling and Storage

Precautions for safe handling	Operators should be trained and follow operating procedures. Wear suitable personal protective equipment. Avoid inhalation and contact with skin and eyes. Keep away from ignition sources and heat. No smoking in the workplace. Handle gently to prevent package damage.
Conditions for safe storage	Store in a cool, ventilated and dry warehouse. Keep container tightly closed. Keep away from ignition sources and heat. Store separately from incompatible materials such as oxidizers. Provide appropriate fire-fighting and spill response equipment.

8. Exposure Controls/Personal Protection

Occupational exposure limits	Petroleum asphalt fume (as asphalt): PC-TWA 5 mg/m3. Sand/silica exposure limits apply according to crystalline silica content.
Engineering controls	Provide adequate ventilation and safety shower/eye wash facilities.
Eye/face protection	Wear safety goggles.
Skin protection	Wear suitable chemical protective gloves and protective clothing.
Respiratory protection	Wear an approved protective mask where necessary.
Other protection	No smoking, eating or drinking in the workplace. Wash thoroughly after handling.

9. Physical and Chemical Properties

Appearance	Black granules
Odor	Slight odor
pH	6-7
Solubility	Slightly soluble in water
Melting/freezing point	No data available
Boiling point/range	Not applicable
Flash point	Not applicable
Density/relative density	No data available
Flammability	This substance is not classified as a flammable solid under item 4.1.

10. Stability and Reactivity

Reactivity	No data available.
Chemical stability	Stable under normal temperature and pressure.
Possibility of hazardous reactions	No data available.
Conditions to avoid	No data available.
Incompatible materials	Strong oxidizers.
Hazardous decomposition products	Calcium oxides, carbon oxides, silicon oxides, etc.

11. Toxicological Information

Acute toxicity	No data available.
Skin corrosion/irritation	No data available.
Serious eye damage/irritation	No data available.
Respiratory sensitization	No data available.
Skin sensitization	No data available.
Carcinogenicity	Sand: crystalline silica in the form of quartz or cristobalite; IARC Group 1, confirmed human carcinogen. This product may cause cancer.
Reproductive toxicity	No data available.
STOT single/repeated exposure	No data available.
Aspiration hazard	No data available.

12. Ecological Information

Toxicity	For gravel and stone powder: fish acute static test LC50, Oncorhynchus mykiss, >100 mg/L, 96 h; Daphnia magna EC50 >100 mg/L, 48 h; algae ErC50, Desmodesmus subspicatus, 14 mg/L, 72 h.
Persistence and degradability	For gravel and stone powder: readily biodegradable; OECD 301B, 28 d, result 90%.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.

13. Disposal Considerations

Waste treatment methods	Consider recycling where possible. If recycling is not possible, incineration under supervision is recommended. Do not discharge into drains. Return emptied containers to the manufacturer or dispose of according to national and local regulations. Before disposal, consult applicable national and local laws. Transfer to qualified chemical waste treatment facilities where required.

14. Transport Information

RID/ADR (2023 edition)	Can be handled as non-restricted goods.
IATA DGR (66th edition)	Can be handled as non-restricted goods.
IMO IMDG Code (2022 edition)	Can be handled as non-restricted goods.
Environmental hazards	No.
Special precautions for user	No data available.
Transport in bulk according to IMO instruments	Not applicable.

15. Regulatory Information

Montreal Protocol	Not listed.
Stockholm Convention	Not listed.
Rotterdam Convention	Not listed.
EINECS/ELINCS	All components of this product are listed.
TSCA	All components of this product are listed.
IECSC	All components of this product are listed.

16. Other Information

Preparation date	September 5, 2025
Revision information	Revision 0
Abbreviations	CAS: Chemical Abstracts Service. EC: European Commission. ACGIH: American Conference of Governmental Industrial Hygienists. RID/ADR: Regulations concerning international carriage of dangerous goods by rail/road. IATA DGR: Dangerous Goods Regulations. IMO IMDG Code: International Maritime Dangerous Goods Code.
Disclaimer	This MSDS is prepared based on ingredient information provided by the applicant and available knowledge. It is intended only as guidance. Users must independently judge suitability and assume responsibility for use according to actual conditions and applicable laws.
Report end	*** End of MSDS ***

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