

SECTION 1. IDENTIFICATION

Product Name	ReactiLINK LQ
Synonyms	Cross-linking agent; Asphalt cross-linking agent
Chemical family	Catalyst
Recommended use	Road Construction; Asphalt Cross-Linker
Restriction on use	All others.
Supplier's details	16880 Kapalama Dr. Pass Christian, MS 39571 228-596-0100 awi-gat.com
Emergency Number (24 hours)	Chemtrec: 800-424-9300

SECTION 2. HAZARDS IDENTIFICATION


HMIS Ratings (Scale of 1 to 4)

Health	1
Fire	1
Reactivity	1
Other	Not Applicable

NFPA Ratings (Scale of 1 to 4)

Health	1
Fire	1
Reactivity	1
Other	Not Applicable

Label elements

Word signal	WARNING: Hot product can cause severe skin burns. Asphalt products can contain hydrogen sulfide residues and hot product can release hydrogen sulfide gas causing eye, skin, and inhalation irritation.
Pictogram signal	
Statement	When charging ReactiLINK into molten asphalt, always use vapor mask (activated charcoal filter mask) because of fume emissions from hot asphalt. Always take usual safety precautions to prevent skin contact, ingestion and inhaling vapor or mist. Keep container closed when not in use, use only with adequate ventilation and wash thoroughly after handling.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition information

Name	CAS#	% by Weight
Proprietary	Proprietary	100%

SECTION 4. FIRST AID MEASURES

Skin Contact	If burn by hot product, cool affected area immediately with cool water. Flush skin with plenty of water for at least 15 minutes. Do not attempt to remove solidified product from skin while removing contaminated clothing including shoes. Get medical attention immediately.
Eye Contact	Check for and remove any contact lenses. If possible, blow with air to remove any free product. Immediately flush eyes with copious amounts of water for at least 15 minutes, occasionally lifting the upper eyelid. Get medical attention immediately.
Inhalation	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as collar, tie or waistband. Get medical attention immediately.
Ingestion	Call physician or poison control immediately. Provide them with information such as the compound taken, quantity and time. Clean the mouth to remove any remaining product; wipe mouth with wet cloth. DO NOT induce vomiting without consulting healthcare professional.
Notes to physician	Symptomatic and supportive therapy as needed. Following severe exposure, recommended that medical follow-up should be monitored for at least 48 hours

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media	Alcohol-resistant foam, dry chemical fire extinguisher. Avoid breathing corrosive vapors. Keep upwind.
Unsuitable extinguishing media	Do not use water jet. Water may be ineffective. Foam or absorbent recommended followed by proper disposal.
Fire and explosion hazard	Unlikely, Rare
Products of combustion	Carbon dioxide, carbon monoxide, nitrogen oxides.
Incompatible substances	Strong oxidants.
Flash point (open cup)	> 190°C / > 392°F

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear protective gloves and clothing. Wear protective eye and/or face protection. Provide adequate ventilation.
Emergency response	Evacuate all persons away from incident and allow only rescue persons with full respiratory gear (oxygen masks) into location if needed.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill or leak	Remove ignitions source. Keep people away. Recover solids and any contaminated liquids and scrape up any solidified material. Absorb with inert material (e.g. saw dust) to liquid spill area. Minimize breathing of fumes by wearing appropriate vapor mask. Ventilate confined spaces. Advise authorities if product enters sewers or any waterways.
Disposal	Do not dispose into the immediate environment. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Dispose of spilled contents and/or containers to an approved waste disposal plant in accordance with local, state, and federal regulations.

SECTION 7. HANDLING AND STORAGE

Good practice on safe handling	<p>Wear dust mask, shoes and PVC gloves when handling product in unventilated area. Avoid contact with skin, eyes or clothing. Do not ingest. Do not directly breathe vapors or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Use product with caution around heat, sparks, static electricity and open flame.</p> <p>When adding the product to hot asphalt for cross-linking in the laboratory, ensure that the blending/reaction vessel is located in a fume cupboard with adequate extraction. Wear dust mask fully buttoned up long sleeved laboratory coat, long pants and socks and shoes and PVC gloves.</p> <p>When handing the product on a plant production scale, the use of a pneumatic conveyor or some similar dosing/feeding mechanism is recommended and the usual precautions must be taken with regards to asphalt vapor emissions and where exposure to vapors are possible, appropriate gas mask (activated charcoal filter type) must be used. In addition, employees must use shoes and PVC gloves.</p>
Storage condition	Keep under cover in well ventilated area at temperature not exceeding 90°F. Store away from any source of ignition.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eye wash stations and safety showers are installed in close proximity to the workstations.
Exposure limits	Follow the exposure limits for hydrogen sulfide and carbon dioxide gas exposure levels.
Eye/Face protection	Wear safety glasses or goggles with side shields as appropriate.
Hand & Body protection	Wear overalls, long pants, gloves and shoes.
Other skin protection	Use personal protective equipment as required.
Respiratory protection	Wear appropriate respirator gear when ventilation is inadequate.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Viscous Liquid at Ambient Temperature
Color	Light Grey

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Odor	Mild to Sweet
Melting point	Viscous Liquid at Ambient Temperature
Specific gravity (H ₂ O=1)	1.12-kg/L = 9.34-lbs/US gallon
Water solubility	Partially Soluble
Viscosity (at 25°C / 77°F), cps	1,000-1,500 cps
Flash point	> 190°C / > 392°F
pH	N/A
Freezing Point	0°C / 32°F

SECTION 10. STABILITY AND REACTIVITY

Stability and reactivity	This product is stable at ambient temperature
Incompatibility materials	Strong oxidizing and reducing agents.
Conditions to avoid	Direct sunlight and rain
Hazardous decomposition products	Carbon monoxide, carbon dioxide
Hazardous Polymerization	Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Carcinogen status	OSHA - None known NTP - Not known IARC - Not known
-------------------	--

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	No information available.
-------------	---------------------------

SECTION 13. DISPOSAL CONSIDERATIONS

Methods	Do not allow matter to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with fine particulates. Disposal should be in accordance with local/regional/national/federal/international regulations.
---------	--

SECTION 14. TRANSPORT INFORMATION

Shipping	ReactiLINK LQ
UN number	Not regulated
UN proper shipping name	Not regulated
Hazard class or division	Not regulated
Packaging group	Not regulated

SECTION 14. TRANSPORT INFORMATION

Environmental hazard(s)	Not regulated
Labeling requirements	Not regulated
Exceptions	Not regulated
Non-bulk packing	Not regulated
Bulk packing	Not regulated
Passenger aircraft	Not regulated
Cargo aircraft only	Not regulated
Vessel stowage requirements	Not regulated
Emergency guide number	Not regulated

SECTION 15. REGULATORY INFORMATION

OSHA process safety	This product is considered by OSHA/MSHA to be hazardous chemical due to H ₂ S release possibility and should be included in the Employee hazard communication program.
SARA Title III	No reporting requirements of Section 313 of Title III of Superfund Amendments and Reauthorization Act of 1986 and CFR Part 372.
TSCA Status	All components of product TSCA listed.
CERCLA	Not listed as CERCLA hazardous substance.
EINECS Status	Not regulated
California Proposition 65	Components not listed in California's Proposition 65.
WHMIS Classification	Not regulated

SECTION 16. OTHER INFORMATION

Version History	
Created	23-Aug-2020
Revision	23-Aug-2023