

Aquaphalt Premium Material Safety Data Sheet

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Substance: Cold Asphalt mix
Trade names/synonyms: **Aquaphalt Premium 0/4.5, 0/9.5, 0/12.5**
Use of Substance: **Reactively curing, cold applied asphalt mix, free of solvents**
Chemical family: _bitumen Asphalt without solvent_

Distributor / Supplier:

RoadStone Production LLC &
Reactive Asphalt Distribution LLC
1230 River Road / 661 Ashanti Farm Rd.
Charlottesville, VA 22901 / Gordonsville, VA 22942

EMERGENCY CONTACT 24 hours:
CHEMTREC 1-800-424-9300
INFORMATION CONTACT: 540-832-0609
(Monday-Friday, 8:00 a.m. – 6:00 p.m. EST)

Hi-Tech Asphalt Solutions, Inc.
5113 Pole Green Road
Mechanicsville, VA 23116

Manufacturer

RoadStone Production LLC
1230 River Road
Charlottesville, VA 22901

Revision Issue Date: January 1, 2011
Supersedes Date: September 1, 2010

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

APPEARANCE /ODOR: Black, solid mineral binder mix with characteristic odor.

Potential Health Effects: See Section 11 for more information

Likely Routes of Exposure: Eye contact, skin contact.

Eye: Causes mild/moderate irritation (tears, blurred vision and redness).

Skin: Prolonged exposure may cause moderate skin irritation. May cause drying/defatting of the skin.

Ingestion: Not likely to be toxic but may cause irritation of the mouth, throat and stomach.

Inhalation: Not relevant

Medical Conditions Aggravated By Exposure:

May cause more significant skin irritation in people with pre-existing skin conditions.

Target Organs: _____

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Material Safety Data Sheet AQUAPHALT PREMIUM 0/4.5, 0/9.5, 0/12.5

Potential Environmental Effects: See Section 12 for more information

SECTION 3: COMPOSITION, INFORMATION ON INGREDIENTS

Component	CAS #	% by Wt.
Mineral aggregates	_not applicable_	92 - 94
Binder	_not applicable_	8 - 6

HAZARDS DISCLOSURE: This product contains no known hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION 4: FIRST AID MEASURES

Eye contact: Rinse opened eye for several minutes under running water; consult a physician.
Skin contact: Remove contaminated clothing and wash before reuse. Wash skin with soap and water. Get medical attention if irritation develops.
Inhalation: Not relevant.
Ingestion: Do NOT induce vomiting. Do NOT administer anything by mouth to unconscious person. Offer water to drink. Get medical attention.

Note to Physicians: Not relevant.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Foam, powder, water spray
Unsuitable Extinguishing Media: Water stream
Products of Combustion: Not applicable
Specific fire fighting methods: No specific methods required
Specific protective devices: Self-contained breathing apparatus
Specific hazards: No specific hazards known
Protection of Firefighters: Firefighters should wear self-contained breathing apparatus and full fire-fighting turnout gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautionary measures: No special measures required.
Environmental precautionary measures: Observe usual precautions.
Methods for cleaning up: Collect mechanically.
Other Information: Spills of this material do not need to be reported to the National Response Center.

SECTION 7: HANDLING AND STORAGE**Handling**

Keep away from heat, sparks and flame - do not smoke. Do not get in eyes. Do not breathe vapor. Avoid prolonged contact with skin.

Storage

Material Safety Data Sheet AQUAPHALT PREMIUM 0/4.5, 0/9.5, 0/12.5

Requirements on storage rooms and containers: Store in weather / sun protected area! Keep container well closed, material cures by exposure to air. Product residue may remain in empty containers. Observe all label precautions until container is cleaned, reconditioned or destroyed.

Information about storage in a common storage facility: Not relevant

Further information about storage conditions: Store in weather / sun protected area

Storage class according to VCI: Not relevant.

Appropriate application(s): For patching up asphalt and concrete

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component 1: Not established.

Component 2: Not established.

Engineering measures: No special requirement.

Components with critical values that require inspection at the place of work: The product does not contain any relevant quantities of material with critical values, which have to be monitored at a work place.

Eye/face protection: Not required

Skin protection: Wear suitable work gloves-

Respiratory protection: Not required

General Hygiene Considerations: Wash thoroughly after handling. Have eye-wash facilities immediately available. Do not eat, drink and smoke while working.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color: black

Odor: characteristic

Odor threshold: Not available

Physical state: mineral – binder - mix

pH - value: not relevant

Freezing point: not relevant

Boiling point: not relevant

Flash point: not relevant

Flammability: not relevant

Upper Flammability Limit: not relevant

Lower Flammability Limit: not relevant

Vapor pressure at 20 °C/68 °F [mmHg]: not relevant

Vapor Density at 25° C [g/ cm³]: 2-2.5

Solubility in water at 20°C/68 °F: not relevant

Solubility in fat at 20 °C/68 °F: not relevant

Auto-ignition Temperature: Not available.

Dynamic viscosity at 20° C/68 °F [mPas]: not relevant

Percent Volatile, wt. %: 0

Volatile Organic Compound (VOC) content, wt. %: 0

Fire promoting properties [°C]: product is not oxidizing

Danger of explosion [°C]: product is not explosive

SECTION 10: STABILITY AND REACTIVITY

Material Safety Data Sheet AQUAPHALT PREMIUM 0/4.5, 0/9.5, 0/12.5

Stability: Stable.

Conditions to avoid: Keep away from heat, sparks and flames.

Incompatible Materials: _not relevant_

Possibility of Hazardous Reactions: Will not occur.

Hazardous Decomposition Products: Not relevant

SECTION 11: TOXICOLOGICAL INFORMATION**ACUTE EFFECTS:**

The product is classified as not acute toxic.

CHRONIC EFFECTS:

The product is classified as not sub acute respectively chronically toxic. *

Corrosive or irritant effect or sensitization:

The product is classified as not irritating or sensitizing.

SECTION 12: ECOLOGICAL INFORMATION

Mobility in Environment: Not relevant.

Persistence/ Degradability: Not relevant.

Bioaccumulation/ Accumulation: Not relevant.

Further negative effects: There are no negative effects known.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal: Dispose of in accordance with federal, state and local regulations. *

Packaging: Packaging can be reused or recycled after cleaning. Note local restrictions. *

SECTION 14: TRANSPORT INFORMATION

US DOT (ground)

Proper Shipping Description: This product is not regulated for shipping by US DOT.

Canadian TDG (ground)

Proper Shipping Description: See US DOT

ICAO (air)

Proper Shipping Description: See US DOT

IMDG (water)

Proper Shipping Description: See US DOT

ADR/ RID

Proper Shipping Description: See US DOT

ADN/ ADNR

Proper Shipping Description: See US DOT

SECTION 15: REGULATORY INFORMATION

OSHA PROCESS SAFETY (29CFR1910.119): Not regulated.

Inventory Status

United States (TSCA): All ingredients are on the inventory or exempt from listing.

SECTION 16: OTHER INFORMATION

NFPA 704: National Fire Protection Association

Health – 0 Fire –0 Reactivity –1

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

The above MSDS complies with OSHA hazard communication standard 29 CFR 1910.1200.

To the best of our belief, information and knowledge, we believe the information contained in this MSDS to be accurate and reliable as of the date of this Material Safety Data Sheet. The above information is based on information received from raw material suppliers and other sources and references the products as currently formulated. We make no expressed or implied warranty regarding the accuracy or reliability of the data or results obtained from the use of the product and assume no responsibility or liability for personal injury or property damage incurred by the use of these materials due to the fact that the conditions of handling, use, and storage of these materials are beyond our control. Any and all materials should be used with caution and may present unknown hazards. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is each user's responsibility to determine if the information and data contained herein is suitable and to comply with all applicable international, federal, state, and local laws and regulations.

Modifications compared to a prior version are marked with the star symbol * on the right margin.

Prepared by **Reactive Asphalt Distribution LLC**