MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name **Polyflex 511 Tack Coat**

Version # 00
Revision date 01/01/2026
CAS # Mixture
Product use Pavement Sealing and Preservation
Manufacturer
Manufacturer: Wasser Technologies
Address: 3050 Biscayne Blvd., Ste. 302,
Miami, FL 33137

2. Hazards Identification

Emergency overview May cause central nervous system depression. May cause irritation to the respiratory system.

Potential health effects

Routes of exposure Inhalation.

Eyes Contact with eyes may cause irritation. Molten material will produce thermal burns.

Skin Irritating to skin.

Inhalation Prolonged inhalation may be harmful. May cause sensitization of susceptible persons by inhalation of aerosol or dust.

Ingestion Expected to be a low ingestion hazard. Irritating to mouth, throat, and stomach.

Signs and symptoms Irritation of eyes and mucous membranes. Dermatitis. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Potential environmental effects Ecological injuries are not known or expected under normal use.

3. Composition / Information on Ingredients

Hazardous components	CAS #	Percent
ASPHALT	8052-42-4	40 - 95
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC	64742-52-5	0 - 15
Non-hazardous components	**CAS #**	**Percent**
MINERAL FILLER	Mixture	0 - 45
VULCANIZED RUBBER COMPOUND	Mixture	0 - 20
POLYESTER FIBERS	25038-59-9	0 - 10
STYRENE/ISOPRENE COPOLYMER	25038-32-8	0 - 15
ETHYLENE/BUTADIENE COPOLYMER	66070-58-4	0 - 10
SBS BLOCK COPOLYMER	Proprietary	0 - 10

4. First Aid Measures

First aid procedures

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
Skin contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly wash (or discard) clothing and shoes before reuse.
Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Ingestion	Rinse mouth. Do not induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. Do not use mouth-to-mouth method if victim ingested the substance.
Notes to physician	In case of ingestion, the decision of whether or not to induce vomiting should be made by the attending physician. Certain pre-existing conditions may make workers particularly susceptible to the effects of this chemical: asthma, allergies, impaired pulmonary function.
General advice	Discard any shoes or clothing items that cannot be decontaminated.

5. Fire Fighting Measures

Flammable properties	Container may explode in heat of fire. Not flammable by OSHA criteria.

Extinguishing media

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Addition of water or foam to the fire may cause frothing.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.

Protection of firefighters

Specific hazards arising from the chemical	Development of hazardous combustion gases or vapours possible in the event of a fire. The following may develop: Acrolein.
Protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. ALWAYS stay away from tanks engulfed in flame. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. In the event of fire, cool tanks with water spray. By fire, toxic gases may be formed (COx, NOx). Keep run-off water out of sewers and water sources. Dike for water control.
Specific methods	In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.
Hazardous combustion products	Oxides of carbon and nitrogen Sulfur dioxide.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Ventilate closed spaces before entering them. Do not touch or walk through spilled material. Wear appropriate protective equipment and clothing during clean-up.
Environmental precautions	Runoff or release to sewer, waterway or ground is forbidden.
Methods for containment	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable.
Methods for cleaning up	Dike far ahead of spill for later disposal. Collect and dispose of spillage as indicated in section 13 of the MSDS. Never return spills in original containers for re-use.

7. Handling and Storage

Handling	The product is non-combustible. If heated, irritating vapors may be formed. Wash hands after handling. Observe good industrial hygiene practices. Do not use in areas without adequate ventilation.
Storage	Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a well-ventilated place. Keep the container tightly closed and dry. Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
ASPHALT (8052-42-4)	TWA	0.5 mg/m3	Inhalable fraction.
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (64742-52-5)	TWA	5 mg/m3	Inhalable fraction.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (64742-52-5)	PEL	5 mg/m3	Mist.
		2000 mg/m3 500 ppm	

Engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal protective equipment

Eye / face protection Wear safety glasses; chemical goggles (if splashing is possible). Wear chemical goggles; face shield (if handling molten material).

Skin protection Wear suitable protective clothing and eye/face protection. Use of an impervious apron is recommended.

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations When using do not smoke.

9. Physical & Chemical Properties

Appearance Solid.

Physical state Liquid.

Form Solid.

Color Black. Dark brown

Odor Product is a black, semi-solid with a burnt tar odor.

Odor threshold Not available.

pH Not available.

Vapor pressure Not available.

Vapor density Not available.

Boiling point > 800 °F (> 426.7 °C)

Melting point/Freezing point 220 °F estimated

Solubility (water) Not available.

Specific gravity 1 - 1.9

Relative density Not available.

Flash point > 400 °F (> 204.4 °C)

Flammability limits in air, upper, % by volume Not available.

Flammability limits in air, lower, % by volume Not available.

Auto-ignition temperature > 700 °F (> 371.1 °C)

Percent volatile < 1 %

Other data

Density Not Available

Flammability class Combustible IIIB estimated

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Strong oxidizing agents.
Incompatible materials	Incompatible with oxidizing agents.
Hazardous decomposition products	Upon decomposition, product emits acrid dense smoke with carbon dioxide, carbon monoxide, trace oxides of nitrogen and sulfur, and water.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Chronic effects	Prolonged inhalation may be harmful. May cause eczema-like skin disorders (dermatitis).
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Skin corrosion/irritation	Defats the skin. Causes irritation.

12. Ecological Information

Ecotoxicity	This product has no known eco-toxicological effects.
Environmental effects	Ecological injuries are not known or expected under normal use. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Persistence and degradability	Not available.

13. Disposal Considerations

Waste codes	Not applicable.
Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations.

14. Transport Information

Further information	If shipped above 212 deg F: "UN3257, Elevated Temperature Liquid, n.o.s., 9, PG III"

15. Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2)

Not regulated

DEA Essential Chemical Code Number

Not regulated

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Not regulated

DEA Exempt Chemical Mixtures Code Number

Not regulated

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
Section 302 extremely hazardous substance	No
Section 311 hazardous chemical	No

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

ASPHALT (CAS 8052-42-4) Listed: January 1, 1990 Carcinogenic.

US - New Jersey RTK - Substances: Listed substance

ASPHALT (CAS 8052-42-4) Listed.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

ASPHALT (CAS 8052-42-4) Listed.

US - Pennsylvania RTK - Hazardous Substances: Special hazard

ASPHALT (CAS 8052-42-4) Special hazard.

16. Other Information

Further information HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings
Health: 1*
Flammability: 1
Physical hazard: 0

NFPA ratings
Health: 1
Flammability: 1
Instability: 0

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Issue date Not available.