

RW MATERIALS LLC

Safety Data Sheet

Material Name: Asphalt Joint and Crack Sealants

SECTION 1: IDENTIFICATION

Product RW 306 RA / RW306R / RW306P / RW306CS1 / RW306CS2 / RW306CS3 / RW306CS4 / RW306CS5
Identification: RW306ES / RW306PLG / RW306D1 / RW306D2 / RW306SP2 / RW306SP3 / RW306SP4 / RW306LDS

Other means of identification: None available
Recommended use: Pavement Crack and Joint Sealant
Recommended restrictions: None known
Manufacturer/Suppliers Details:
Manufacturer: RW Materials LLC
305 Short Street
Pomona CA
91768
Phone Number: (909) 469-2007
Fax Number: (909) 469-5112
Cell Number: (626) 945-3509
E-Mail: office@roadworks.net

SECTION 2: HAZARD IDENTIFICATION

Physical hazards: Not classified
Health hazards: Not classified
Environmental hazards: Not classified
OSHA defined hazards: Not classified
Hazards not stated here are "Not applicable" or "Classification not possible".

Label elements:
Hazard symbols None
Signal word Not applicable
Hazard statement Not applicable
Prevention Not applicable
Response Specific treatment see Section 4 of this SDS
Storage Not applicable
Disposal Dispose of contents/container in accordance with local / regional / national and international regulations.

Other Hazards not classified: None known

Material Name: Asphalt Joint and Crack Sealants

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	PERCENT
Petroleum Asphalt	8052-42-4	>=10.0-<=75.0%
Petroleum Distillate	64741-96-4	>=0.0-<=10.0%
Mineral Filler	1317-65-3	>=15.0-<=75.0%
Styrene-Butadiene Copolymer	9003-55-8	>=5.0-<=20.0%
Vulcanized, Ground Rubber	N/A	>=5.0-<=30.0%
Styrene-Isoprene Copolymer	25038-32-8	>=5.0-<=10.0%
Polyester Fibers	25038-59-9	>=1.0-<=8.0%

SECTION 4: FIRST - AID MEASURES

Eye Contact: If hot material should splash into the eyes, flush eyes immediately with large amounts of water for at least 15 minutes with eye lids open. DO NOT attempt to remove cooled material. Get immediate medical attention.

Skin Contact: If hot material comes into contact with skin quickly cool in cold water or ice for at least 15 minutes. DO NOT try to peel the material from the skin or use solvents to dissolve. Only vegetable or mineral oils are recommended for the removal of material from skin. Get medical attention.

Inhalation: Move person to fresh air; Seek medical attention if irritation develops or if breathing becomes difficult. If breathing has stopped, apply artificial resuscitation.

Ingestion: If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

SECTION 5: FIRE - FIGHTING MEASURES

Extinguishing Media: Water fog, Carbon Dioxide, Dry Chemical or Foam.

Unsuitable extinguishing Media: Do not use water as this may spread fire.

Special Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. To extinguish these products use ,Carbon Dioxide, Dry Chemical or Foam. Use breathing apparatus in enclosed areas where there is heavy smoke.

Unusual Fire and Explosion Hazards: This material may ignite when sufficient heat is applied. Upon burning, this product will generates dense black smoke.

Hazardous Combustion Products: Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and / or irritating compounds. Combustion products may include and are not limited to: Carbone dioxide, Carbon monoxide, Sulfur dioxide and Hydrogen sulfide. Dense smoke.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective and emergence procedures: Keep unnecessary personal away from spillage, Wear protective clothing during clean-up. Ventilate closed spaces before entering them. Do not touch or walk through spilled material.

Methods and Material for containment and clean up: Shut off ignition and source of leak only if safe to do so.
Dike and contain using soil, sand or other suitable material.
Allow the material to cool and scrap up and place in suitable containers.

Environmental precautions: Prevent further leakage or spillage if safe to do so.
Runoff or release to sewers, waterways or ground is forbidden.

Material Name: Asphalt Joint and Crack Sealants

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Unheated material presents no known hazards. Observe good hygienic practices by thoroughly washing with soap and water before eating or using washroom.

Conditions for safe storage, including any incompatibilities: Good general ventilation should be sufficient for most conditions.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limit values:

Components	Limit Value
Petroleum Asphalt	5 mg/m ³
Petroleum Distillate	10 mg/m ³
Mineral Filler	10 mg/m ³
Styrene-Butadiene Copolymer	10 mg/m ³
Vulcanized, Ground Rubber	N/E
Styrene-Isoprene Copolymer	10 mg/m ³
Polyester Fibers	N/E

Biological limit values: No biological exposure limits noted for the ingredients.

Appropriate engineering controls: Good general ventilation should be used. If applicable, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. Ensure adequate ventilation, especially in confined areas.

Individual protection measures, PPE:

Protective Gloves: Use gloves that protect against thermal burns.

Eye Protection: Wear safety goggles or face shields to prevent eye contact.

Respiratory Protection: Use ventilation as required to control vapor concentrations. If exposure exceeds the PEL/TLV, use the appropriate NIOSH approved respirator.

Other Protection Clothing or Equipment: Wear long sleeved cotton shirts, buttoned at the collar and full length cotton pants and safety boots.

General hygiene considerations: When using do not smoke. Avoid contact with eyes. Avoid contact with skin. Keep away from food and drink. Handle with good industrial hygiene safety practice.

Thermal hazards: During product use, there is a risk of thermal burns.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black/Dark Brown Solid

pH Level: N/A

Melt Point: 110°C - 230°F

Flash Point: >400°F - >204°C

Flammability (solid, Gas): Not Available

Vapor Density (Air = 1): Not Determined

Water Solubility: Negligible

Auto-Ignition Temp: >700°F >371°C

Viscosity : 15 - 50 poise

Odour: Petroleum

Odour Threshold: Not Available

Boiling Point: >750°F

Evaporation (Butyl Acetate = 1); <1

Vapor Pressure: Not Determined

Relative Density: Not Available

Partition Coefficient (n-octanal/water); Not Available

Decomposition Temp: Not Available

Specific Gravity (H₂O=1): 1.10 - 1.30

Material Name: Asphalt Joint and Crack Sealants

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Not available.
Chemical stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerization does not occur.
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.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingestion:	Swallowed, Ingestion is not likely to be a route of occupational exposure.
Inhalation:	Inhalation of fumes or vapors can produce irritation of mucous membranes and upper respiratory tract.
Skin Contact:	If hot material comes into contact with skin, it will cause thermal burns.
Eye Contact:	If hot material should splash into the eyes, it will cause thermal burns.
Symptoms related to the physical, chemical & toxicological characteristics:	Not Available
Toxicological effects:	
Acute toxicity:	Not Available
Skin Corrosion/irritation:	Defats the skin. Causes irritation.
Serious eye damage/eye irritation:	Irritating to eyes
Respiratory or skin sensitization:	
Respiratory sensitization:	Not Available
Skin sensitization:	Irritating to skin
Germ cell mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
IARC Monographs Overall Evaluation of Carcinogenicity:	Asphalt (CAS # 8052-42-4) 2B possible carcinogenic to humans.
US.OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed
Reproductive toxicity:	Contains no ingredient listed as toxic to reproduction.
Specific target organ toxicity:	Not Available
Single exposure:	Not Available
Repeated exposure:	Not Available
Aspiration hazard:	Not Available
Chronic effects	Prolonged inhalation may be harmful. May cause eczema-like skin disorders.

SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity:	This product has no known eco-toxicological effect. Not expected to be harmful to aquatic organisms.
Persistence and degradability:	Not Available
Bio accumulative potential:	Not Available
Mobility in soil:	Not Available
Other adverse effects:	Not Available

Material Name: Asphalt Joint and Crack Sealants

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Instructions: This material is not a hazardous waste as defined in RCRA waste classification 40CFR261. Dispose of in accordance with local, state and federal regulations.

Hazardous waste code: Not applicable

Waste from residues: Dispose of in accordance with local, state and federal regulations.

Contaminated packaging: Packaging material to be disposed of at local recycling facilities.

SECTION 14: TRANSPORT INFORMATION

	Cold Material (Solid)	Hot Material (Liquid)
UN Shipping Name:	Not a Regulated Material	Elevated Temperature liquid.n.o.s.(Asphalt)
UN-No:	Non-Hazard	UN 3257
Packaging Group:	Not applicable	III
IATA:	Non-Hazard	Not permitted for transport
IMDG:	Non-Hazard	Class 9

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulatory Information:

RCRA Hazardous Waste Classification (40 CFR 261): This material should not be hazardous due to characteristics.

CERCLA: No listing

CERCLA: Reportable Quantity(RQ): This material in its solid form is not a hazardous substance and does not have a reportable quantity. However, if spilled in liquid form into the waters of the U.S., it may be reportable under the Clean Water Act.

SARA Title III: Section 311:

Immediate (Acute) Health Hazard	Yes (Heated)
Delayed (Chronic) Health Hazard	Yes (Heated)
Fire Hazard	No
Reactive Hazard	No
Sudden Release of Pressure Hazard	No

State Regulations: The following chemicals are known to be specifically listed by individual states, for details on each State regulatory requirements you should contact the appropriate agency in that state.

Pennsylvania: Right-to-Know (Asphalt fumes)

Rhode Island: Hazardous Substances List (Asphalt fumes)

Florida: Hazardous Substances List (Asphalt fumes)

Minnesota: Right-to-Know (Asphalt fumes)

Massachusetts: Right-to-Know (Asphalt fumes) mineral oil, petroleum distillates including heavy naphthenic.

New Jersey: Right-to-Know (Asphalt fumes)

Texas: Air Contaminants Screening Level

Illinois: Toxic Substance Disclosure to Employees List

California State: Superfund Hazardous Substance

California Prop 65: Carcinogens or Reproductive Toxins List: Asphalt fumes or distillates

Material Name: Asphalt Joint and Crack Sealants

SECTION 16: OTHER INFORMATION

Legend:

GHS 101:	Globally Harmonized System. Safety Data Sheet.
ACGIH:	American Conference of Governmental Hygienists.
CAS (#):	Chemical Abstracts Service.
CERCLA:	Comprehensive Environmental Response Compensation and Liability Act.
DOT:	Department of Transport.
HMIS:	Hazardous Material Information Systems.
IARC:	International Agency for Research on Cancer.
NIOSH:	National Institute for Occupational safety and Health.
NTP:	National Toxicology Program.
OSHA:	Occupational safety and Health Administration.
PEL:	Permissible Exposure Limit.
RCRA:	Resource Conservation and Recovery Act.
SASR:	Superfund Amendments and Reauthorization Act.
TLV:	Threshold Limit Value.
WHMIS:	Workplace Hazardous Material Information System.

Disclaimer:

This Safety Data Sheet and the information it contains are offered to you in good faith as accurate. We have reviewed any information contained in this data sheet, which we received from sources outside our company. We believe that the information is correct, but cannot guarantee it's accuracy or completeness. Health and safety precautions in this data sheet may not be adequate, for all individuals and/or situations. It is the users obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of this product in a manner that might infringe existing patents. No warranty is made expressed or implied.