



SAFETY DATA SHEET
ASPHALT REPAIR

Offerte en français

HEALTH CANADA	PROTECTIVE CLOTHING	TRANSPORT OF DANGEROUS GOODS
Not regulated		Not regulated

SECTION I: IDENTIFICATION

Use: Asphalt repair and maintenance.

Manufacturer: ExpertSeal 327 9th Avenue Richmond (Quebec) J0B 2H0 CANADA Tel.: 819 826-1000	Distributor: Resisto Division, Soprema Canada 1675 Haggerty Street Drummondville (Quebec) J2C 5P7 CANADA Tel.: 819 478-8408 – 1 877 478-8408
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In case of emergency:
SOPREMA (8:00am to 5:00pm): 1 800 567-1492 CANUTEC (Canada) (24h.): 613 996-6666 CHEMTREC (USA) (24h.): 1 800 424-9300

SECTION II: HAZARD(S) IDENTIFICATION

WARNING

Causes eye irritation. May be harmful if swallowed.
Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Dispose of container in accordance with local, regional and national regulations.

SECTION III: COMPOSITION AND INFORMATION ON HAZARDOUS INGREDIENTS

NAME	CAS #	% WEIGHT	EXPOSURE LIMIT (ACGIH)	
			TLV-TWA	TLV-STEL
Asphalt	8052-42-4	60-100	0.5 mg/m ³ (fumes)	Not established

Effects of Short-Term (Acute) Exposure

EYE CONTACT

Airborne dust may cause immediate or delayed irritation or inflammation. Eye contact can cause moderate irritation, redness and itching. Eye exposure requires immediate first aid to prevent damage. If heated, hot product will cause severe thermal burn. (1)

SKIN CONTACT

May cause dry skin, discomfort, irritation and dermatitis. Repeated contact may cause skin irritation from abrasion and asphalt. If heated, hot product will cause severe thermal burn. (1)

INHALATION

When heated, it may release irritating fumes or vapours such as smoke, carbon dioxide, carbon monoxide and unburned hydrocarbons. Hydrogen sulphide and other sulphur-containing gases can evolve from this product at elevated temperatures. Exposure to fumes or vapours may cause irritation of the nose and throat, and symptoms such as headache, dizziness, loss of coordination, and drowsiness. Cutting, crushing or grinding hardened asphalt will release dust. Breathing dust may cause nose, throat or lung irritation, including choking, depending on the degree of exposure. (1)

INGESTION

Ingestion may result in nausea, vomiting, diarrhoea, and restlessness. Chewing asphalt has caused gastrointestinal effects. Stomach obstructions have been reported in individuals who have chewed and swallowed asphalt. (1)

Effects of Long-Term (Chronic) Exposure

SKIN CONTACT

Skin defatting with chronic exposure. (1)

INHALATION

Yes, caution in confined spaces. (1)

INGESTION

Unlikely, should be avoided. (1)

CARCINOGENICITY

Not classified or listed by the US National Toxicology Program (NTP), the Occupational Safety & Health Administration (OSHA), European Union (EU) and the American Conference of Governmental Industrial Hygienists (ACGIH). In its 2013 monograph (Volume 103), the International Agency for Research on Cancer (IARC) conducted a review of the potential carcinogenicity of bitumen (the European term for asphalt). One of its conclusions was that the "occupational exposures to straight-run bitumens and their emissions during road paving are possibly carcinogenic to humans (group 2B)". Due to the product form, exposure to hazardous dusts or fumes is not expected to occur. Information on carcinogenicity is given for reference only. (1)

TERATOGENICITY, EMBRYOTOXICITY, FETOTOXICITY

No known teratogenic effects. (2)

REPRODUCTIVE TOXICITY

No known reproductive effects. (2)

MUTAGENICITY

No specific information is available. Probably not mutagenic. (2)

TOXICOLOGICALLY SYNERGISTIC MATERIALS

No information available. (2)

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE

Repeated or prolonged exposure is not known to aggravate any medical condition. This product contains substances that may be hazardous to human health but the risk of exposure to such substances is found negligible.

OVER-EXPOSURE SIGNS/SYMPTOMS

Not available.

SECTION IV: FIRST-AID MEASURES

EYE CONTACT

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

SKIN CONTACT

Wash with soap and water. Get medical attention if irritation develops. For contact with hot material, immerse or flush skin with cold water for at least 15 minutes. Do not attempt to remove solidified asphalt. Do not use solvents to clean skin covered with asphalt. Vegetable oil may be used to remove asphalt residue on skin surface.

INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

INGESTION

Immediately call a poison center. Rinse mouth.

SECTION V: FIRE-FIGHTING MEASURES

FLAMMABILITY: Not available.
FLASH POINT: Not available.
AUTO-IGNITION TEMPERATURE: Not available.
FLAMMABILITY LIMITS IN AIR: (% en volume) Not available.

EXPLOSION HAZARDS IN PRESENCE OF VARIOUS SUBSTANCES

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

COMBUSTION PRODUCTS

Toxic gases such as CO, CO₂, H₂S.

FIRE FIGHTING INSTRUCTIONS

Evacuate area. Wear self-contained breathing apparatus and appropriate protective clothing in accordance with standards. Approach fire from upwind and fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Move combustible surrounding material out from the fire area if this can be done without risk. Cool this material with flooding quantities of water until well after fire is out.

FIRE FIGHTING MEDIA

Use anti-alcohol or universal foam, dry chemical powder, CO₂ or sand.

SECTION VI: ACCIDENTAL RELEASE MEASURES

RELEASE OR SPILL

Ventilate area. Wear appropriate protective equipment during cleanup. Do not touch or walk through spilled material. Use a shovel to scrape up the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Do not wash this product down the sewage and drainage systems or into bodies of water.

SECTION VII: HANDLING AND STORAGE

HANDLING

Keep package sealed until used. Packages are heavy and pose risks such as sprains and strains to the back, arms, shoulders, and legs during lifting and mixing. Handle with care and use appropriate control measures. Use with adequate ventilation. Avoid contact with skin, eyes and clothing. Use additional precautions when handling hot material. Do not breathe fumes or vapours from heated material. Do not allow hot material to contact skin.

STORAGE

Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not expose to heat, open flames, strong oxidizers or other sources of ignition.

SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

EYES: Safety glasses.

RESPIRATORY: Wear a NIOSH approved respirator that is properly fitted and is in good condition when exposed to fumes above exposure limits.

HANDS: Wear leather or cloth work gloves to prevent skin contact and insulated gloves when handling hot material. Thoroughly wash hands and other exposed skin after exposure.

ENGINEERING CONTROLS: Under ordinary conditions, engineering controls are not required. Use local exhaust or general dilution ventilation when using at elevated temperatures or during activities that generate fumes, to maintain levels below exposure limits.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Solid
APPEARANCE:	Black granular solid with petroleum odour
ODOUR THRESHOLD:	Not available
pH (1% Soln/Water):	Not applicable
VAPOUR DENSITY (air = 1):	Not available
VAPOUR PRESSURE (20°C):	Not available
EVAPORATION RATE (Butyl acetate = 1):	Not available
BOILING/CONDENSATION POINT:	295 to 705°C (563 to 1301°F)
MELTING/FREEZING POINT:	Not available
SPECIFIC GRAVITY (H₂O = 1):	2.6 to 2.8
SOLUBILITY:	Insoluble in cold water, hot water
VOLATILE ORGANIC COMPOUND CONTENT (V.O.C.):	1%
VOLATILITY:	1% (v/v)
VISCOSITY:	Not available
LogK_{ow}:	Not available

SECTION X: STABILITY AND REACTIVITY

STABILITY AND REACTIVITY: This product is stable.

CONDITIONS OF INSTABILITY: None known.

INCOMPATIBLE SUBSTANCES: Reactive with oxidizing agents (nitrate, chlorates, and peroxides), strong acids and strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: When heated, may liberate hydrogen sulphide and various hydrocarbons.

HAZARDOUS POLYMERISATION: Will not occur.

SECTION XI: TOXICOLOGICAL INFORMATION

OTHER TOXIC EFFECTS ON HUMANS

Hazardous in case of inhalation (lung irritant). Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion. Non-sensitizer for skin.

SPECIAL REMARKS ON TOXICITY TO ANIMALS

Not available.

SPECIAL REMARKS ON CHRONIC EFFECTS ON HUMANS

This product contains substances that may be hazardous to human health, but the risk of exposure to such substances is found to be negligible, in the normal conditions of use.

SECTION XII: ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS

Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams, or public waterways. Block off drains and ditches. Provincial and federal regulations may require that environmental and/or other agencies be notified of a spill incident. Spill area must be cleaned and restored to original condition or to the satisfaction of authorities. May be harmful to aquatic life.

BOD AND COD: Not available.

BIODEGRADABLE/OECD: Not available.

MOBILITY: Not available.

PRODUCTS OF DEGRADATION: These products are carbon oxides (CO, CO₂).

TOXICITY OF THE PRODUCTS OF BIODEGRADATION: Not available.

SPECIAL REMARKS ON THE PRODUCTS OF BIODEGRADATION: Not available.

SECTION XIII: DISPOSAL CONSIDERATIONS

WASTE INFORMATION

Waste must be disposed of in accordance with federal, provincial and municipal environmental control regulations.

Consult your local or regional authorities.

SECTION XIV: TRANSPORT INFORMATION

This product is not regulated by DOT and TDG.

SECTION XV: REGULATORY INFORMATION

- DSL:** All constituents of this product are included in the Domestic Substances List (DSL – Canada)
- TSCA:** All constituents of this product are included on the Toxic Substances Control Act Inventory (TSCA – United States).
- Prop. 65:** This product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity.

SECTION XVI: OTHER INFORMATION

GLOSSARY

- ASTM:** American Society for Testing and Materials (United States)
- CAS:** Chemical Abstract Services
- CSA:** Canadian Standardization Association
- DOT:** Department of Transportation (United States)
- EPA:** Environmental Protection Agency (United States)
- GHS** Globally Harmonized System
- LD₅₀/LC₅₀:** Less high lethal dose and lethal concentration published
- NIOSH:** National Institute for Occupational Safety and Health (United States)
- OECD:** Organisation for Economic Co-operation and Development
- RCRA:** Resource Conservation and Recovery Act (United States)
- TDG:** Transportation of Dangerous Goods (Canada)
- TLV-TWA:** Threshold Limit Value – Time-Weighted Average

References:

- (1) Manufacturer's safety datasheet
- (2) CHEMINFO (2015) Canadian Centre of Occupational Health and Safety, Hamilton (Ontario) Canada

Code of SDS:

CA U DRU SS FS 130

For more information:

1 800 567-1492

The Safety Data Sheets of RESISTO Canada are available on Internet at the following site: www.resisto.ca

Justification of the update:

- GHS format.

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