



SAFETY DATA SHEET
LIQUID CRACK FILLER

Offerte en français

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

SECTION I: IDENTIFICATION

Use: Asphalt repair and maintenance.

<p>Manufacturer: ExpertSeal 327 9th Avenue Richmond (Quebec) J0B 2H0 CANADA Tel.: 819 826-1000</p>	<p>Distributor: Resisto Division, Soprema Canada 1675 Haggerty Street Drummondville (Quebec) J2C 5P7 CANADA Tel.: 819 478-8408 – 1 877 478-8408</p>
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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.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. 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

Eye contact can cause moderate irritation, redness and itching. Eye exposure requires immediate first aid to prevent damage. (1)

SKIN CONTACT

May cause dry skin, discomfort, irritation and dermatitis. Repeated contact may cause skin irritation from abrasion and asphalt. (1)

INHALATION

Exposure to vapours may cause respiratory tract irritation. (1)

INGESTION

Ingestion may result in nausea, vomiting, diarrhoea, and restlessness. (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. (2)

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. 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

Call a poison center. Rinse mouth.

NOTES TO PHYSICIAN

No specific antidote, medical staff must contact Poisons Information Centre.

SECTION V: FIRE-FIGHTING MEASURES

FLAMMABILITY: May be combustible at high temperature.
FLASH POINT: Open cup: > 150°C (302°F). (Cleveland)
AUTO-IGNITION TEMPERATURE: > 200°C (392°F)
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, NO, NO₂.

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. Contain and/or absorb the spill with inert material like sand or vermiculite. Use a shovel to scrape up the spill 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 containers tightly closed in a cool, dry, well-ventilated area. Handle with care and use appropriate control measures. Use with adequate ventilation. Avoid contact with skin, eyes and clothing. Do not handle or store near strong oxidants or strong acids.

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: Use with chemical-protective gloves to prevent skin contact.

ENGINEERING CONTROLS: Use with adequate general and local exhaust ventilation. When used outdoors, stay well away from building air intakes or close and seal the intakes to prevent product from entering building.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
APPEARANCE:	Black liquid with slight petroleum odour
ODOUR THRESHOLD:	Not available
pH (1% Soln/Water):	Neutral
VAPOUR DENSITY (air = 1):	Not available
VAPOUR PRESSURE (20°C):	Not available
EVAPORATION RATE (Butyl acetate = 1):	0.36 (Water)
BOILING/CONDENSATION POINT:	100°C (212°F)

MELTING/FREEZING POINT:

May start to solidify at 0°C (32°F) based on data for: Water

SPECIFIC GRAVITY (H₂O = 1): Weighted average: 1.19

SOLUBILITY: Partially soluble in cold water, hot water

VOLATILE ORGANIC COMPOUND CONTENT (V.O.C.):

Not available

VOLATILITY: Not available

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: Not available.

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) and water, nitrogen oxides (NO, NO₂).

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.

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 127

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:

- Triennial update and GHS format.

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