



**SAFETY DATA SHEET**  
**LIQUID CRACK FILLER**

*Offerte en français*

|                      |   |                                     |
|----------------------|---|-------------------------------------|
| <b>HEALTH CANADA</b> | <b>PROTECTIVE CLOTHING</b>  | <b>TRANSPORT OF DANGEROUS GOODS</b> |
| Not regulated        |  | Not regulated                       |

**SECTION I: IDENTIFICATION**

**Use:** Asphalt repair and maintenance.

|   |  |
|---|--|
| <b>Manufacturer:</b><br>ExpertSeal<br>327 9th Avenue<br>Richmond (Quebec) J0B 2H0<br>CANADA<br>Tel.: 819 826-1000 | <b>Distributor:</b><br>Resisto Division, Soprema Canada<br>1675 Haggerty Street<br>Drummondville (Quebec) J2C 5P7<br>CANADA<br>Tel.: 819 478-8408 – 1 877 478-8408 |
|---|--|

**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 <sup>3</sup> (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, CO<sub>2</sub>, NO, NO<sub>2</sub>.

#### 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, CO<sub>2</sub> 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 (H<sub>2</sub>O = 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<sub>ow</sub>:**

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, CO<sub>2</sub>) and water, nitrogen oxides (NO, NO<sub>2</sub>).

**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**

|   |   |
|---|---|
| <b>ASTM:</b>                            | American Society for Testing and Materials (United States)            |
| <b>CAS:</b>                             | Chemical Abstract Services  |
| <b>CSA:</b>                             | Canadian Standardization Association                                  |
| <b>DOT:</b>                             | Department of Transportation (United States)                          |
| <b>EPA:</b>                             | Environmental Protection Agency (United States)                       |
| <b>GHS</b>                              | Globally Harmonized System  |
| <b>LD<sub>50</sub>/LC<sub>50</sub>:</b> | Less high lethal dose and lethal concentration published              |
| <b>NIOSH:</b>                           | National Institute for Occupational Safety and Health (United States) |
| <b>OECD:</b>                            | Organisation for Economic Co-operation and Development                |
| <b>RCRA:</b>                            | Resource Conservation and Recovery Act (United States)                |
| <b>TDG:</b>                             | Transportation of Dangerous Goods (Canada)                            |
| <b>TLV-TWA:</b>                         | 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](http://www.resisto.ca)

### **Justification of the update:**

- Triennial update and GHS format.

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