

<b>GHS</b>	<b>PROTECTIVE CLOTHING</b>	<b>TRANSPORT OF DANGEROUS GOODS</b>
Not regulated		Not regulated

**SECTION I: IDENTIFICATION**

**Use:** Bituminous membrane used for sound insulation of floors.

**Manufacturer:** Soprema Canada  
1675 Haggerty Street  
Drummondville (Quebec) J2C 5P7  
CANADA  
Tel.: 819 478-8163

**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**

**EMERGENCY OVERVIEW**

Bitumen membrane. Asphalt odour. Under normal use, this product is not expected to create any health or environmental hazard.  
In case of fire, inhalation of dust or of asphalt fumes can cause a respiratory irritation and/or congestion.

**SECTION III: COMPOSITION AND INFORMATION ON DANGEROUS INGREDIENTS**

NAME	CAS #	% WEIGHT	EXPOSURE LIMIT (ACGIH)	
			TLV-TWA	TLV-STEL
<b>BITUMINOUS BLEND</b>				
Bitumen	8052-42-4	15-40	0.5 mg/m <sup>3</sup> Asphalt fumes	Not established
Styrene butadiene copolymer <sup>1</sup>	9003-55-8	1-5	10 mg/m <sup>3</sup>	Not established
Highly hydrotreated naphthenic oil <sup>1</sup>	64742-52-5	1-5	Not established	Not established
<b>UNDERFACE</b>				
Polyethylene	9002-88-4	3-7	Not established	Not established
<b>SURFACE</b>				
Reground rubber	N/A	40-70	Not established	Not established

1. The exposure to the product above the limits of exposure is not likely to occur considering its form (incorporated in the mixture) and the provided use. The limit of exposure is given for reference only.

**Effects of short term (acute) exposure**

**SKIN CONTACT**

The product can cause a mechanical irritation of the skin because of its rough surface.

**EYE CONTACT**

The product is not likely to cause effects to the eyes.

**INHALATION**

The product is not likely to cause effects on the respiratory system.

**INGESTION**

Exposure is not likely to occur by this route of entry under normal use of the product.

**Effects of long term (chronic) exposure**

**SKIN CONTACT**

The repeated or prolonged contact can cause irritation. (1)

**INHALATION**

No data available.

**CARCINOGENICITY**

Due to the product form, exposure to hazardous dusts or fumes is not expected to occur. Information on carcinogenicity is given for reference only. This product is not classifiable as a carcinogen.

**Bitumen:** Asphalt fumes may contain a variety of polycyclic aromatic hydrocarbons (PAH), some of which are associated with the potential of inducing skin cancer. Increasing amounts of PAH may be released if this product is heated above 200°C. Prolonged or repeated contact of PAH

with skin may cause skin cancer where poor personal hygiene may be a contributing factor. Asphalt fumes contain substances such as Benzo(a)pyrene and Dibenzo(a,h)anthracene that are known to cause cancer in humans. 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)". (2)

*No information available about the other products.*

**TERATOGENICITY, EMBRIOTOXICITY, FETOTOXICITY**

No information available.

**REPRODUCTIVE TOXICITY**

No information available.

**MUTAGENICITY**

No information available.

**TOXICOLOGICALLY SYNERGISTIC MATERIALS**

No information available.

**POTENTIAL ACCUMULATION**

No information available.

**SECTION IV: FIRST-AID MEASURES**

**SKIN CONTACT**

If there is presence of dust on the skin, wash gently with water and soap.

## EYE CONTACT

Flush eyes with water for at least 15 minutes while holding eyelids open. Do not attempt to remove material from eyes without medical assistance. Obtain immediate medical attention.

## INHALATION

Remove victim from contaminated place and restore breathing, if required.

## INGESTION

The ingestion of this product is not very likely to occur.

### SECTION V: FIRE-FIGHTING MEASURES

**FLAMMABILITY:** Not applicable  
**EXPLOSION DATA:** Not applicable  
**FLASH POINT:** Not applicable  
**AUTO-IGNITION TEMPERATURE:** Not applicable  
**FLAMMABILITY LIMITS IN AIR: (% in volume)** Not applicable

## FIRE AND EXPLOSION HAZARDS

Not applicable

## COMBUSTION PRODUCTS

Burning of this material will produce thick black smoke. Irritating and/or toxic fumes and gases including Hydrogen Sulphide and Sulphur Dioxide, traces of metallic fumes may be generated by thermal decomposition or combustion.

## FIRE FIGHTING INSTRUCTIONS

Evacuate the 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.

**EXTINGUISHING MEDIA:** Foam, chemical powder, CO<sub>2</sub>, sand.

### SECTION VI: ACCIDENTAL RELEASE MEASURES

## RELEASE OR SPILL

Not applicable.

### SECTION VII: HANDLING AND STORAGE

## HANDLING

Before handling, it is very important that ventilation controls are operating and protective equipment requirements are being followed. People working with this product should be properly trained regarding its hazards and its safe use. Wash hands thoroughly after handling. Eliminate all ignition sources (sparks, flames, hot surfaces) during installation.

## STORAGE

Flashings must be stored in such a way to prevent any creasing, twisting, scratches and other damages. The materials must be protected adequately and stored permanently away from flames or welding sparks, protected from bad weather and any harmful substances.

### SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

**HANDS:** Wear resistant gloves.

**RESPIRATORY:** If the TLV for dust is exceeded, if use is performed in a poorly ventilated confined area, use an approved respirator in accordance with standards.

**EYES:** Wear safety goggles in accordance with standards.

**BODY:** Wear adequate protective clothes.

**OTHERS:** Eye bath and safety shower.

### SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Solid  
**ODOUR AND APPEARANCE:** Black membrane with asphalt odour  
**ODOUR THRESHOLD:** Not available  
**VAPOUR PRESSURE (20°C):** Not applicable  
**VAPOUR DENSITY (air = 1):** Not applicable

**EVAPORATION RATE (Butyl acetate = 1):** Not applicable  
**BOILING POINT (760 mm Hg):** Not applicable  
**FREEZING POINT:** Not applicable  
**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** Variable  
**SOLUBILITY IN WATER (20°C):** None  
**VOLATIL ORGANIC COMPOUND CONTENT (V.O.C.):** Not applicable  
**VISCOSITY:** Not applicable

### SECTION X: STABILITY AND REACTIVITY

**STABILITY:** This material is stable.

**CONDITIONS OF REACTIVITY:** Avoid excessive heat.

**INCOMPATIBILITY:** Acid and strong basis and organic solvents and greasy substances.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None identified.

**HAZARDOUS POLYMERISATION:** None.

### SECTION XI: TOXICOLOGICAL INFORMATION

## TOXICOLOGICAL DATA

No information available.

#### *Effects of Short-Term (Acute) Exposure*

No information available.

#### *Effects of Long-Term (Chronic) Exposure*

## CARCINOGENICITY

### *Asphalt:*

Data from experimental studies in animals and cultured mammalian cells indicate that laboratory-generated roofing asphalt fume condensates are genotoxic and cause skin tumours. (2)

### *Highly Hydrotreated Naphthenic Oil:*

No study on the humans and the animals made it possible to classify naphthenic oils highly hydrotreated as carcinogen (IARC, 1984). (1)

*No information available about the other products.*

## REPRODUCTIVE EFFECTS

No information available.

## TERATOGENICITY, EMBRYOTOXICITY, FETOTOXICITY

No information available.

## MUTAGENICITY

No information available.

## SYNERGISTIC MATERIALS

No information available.

### SECTION XII: ECOLOGICAL INFORMATION

## ENVIRONMENTAL EFFECTS

No data.

## BIODEGRADABILITY

This product is not biodegradable. No possible bioaccumulation and unlikely bioconcentration in the food chain.

### SECTION XIII: DISPOSAL CONSIDERATIONS

## WASTE DISPOSAL

This product is not hazardous waste. Consult local, provincial, territory or state authorities to know disposal methods. This material is not listed by the EPA as hazardous waste according to the Resource Conservation and Recovery Act (RCRA) of the United States. No Environmental Protection Agency (EPA) waste numbers are applicable for this product.

### SECTION XIV: TRANSPORT INFORMATION

This product is not regulated by Department of Transportation (DOT) and Transportation Dangerous Goods (TDG).

## SECTION XV: REGULATORY INFORMATION

- DSL:** All constituents of this product are included in the Domestic Substances List (Canada).
- TSCA:** All constituents of this product are listed 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 and birth defects or other reproductive harm.

## SECTION XVI: OTHER INFORMATION

### GLOSSARY

- ANSI:** American National Standards Institute
- CAS:** Chemical Abstract Services
- CFR:** Code of Federal Regulations
- LD50/CL50:** Less high lethal dose and lethal concentration published
- GHS:** Globally Harmonized System
- HMIS:** Hazardous Material Information System
- NIOSH:** National Institute for Occupational Safety and Health
- NFPA:** National Fire Protection Association
- OSHA:** Occupational Safety & Health Administration
- TLV-TWA:** Threshold Limit Value – Time-Weighted Average

### References:

- (1) Material Safety Data Sheet from the supplier
- (2) IARC (2013) Monograph on the evaluation of carcinogenic risks to humans. Bitumens and bitumen emissions, and some N- and S-heterocyclic polycyclic aromatic hydrocarbons. Volume No. 103.

**Code of SDS:** CA U DRU SS FS 156  
**For information:** 1 800 567-1492

The Safety Data Sheets of RESISTOSOUND are available on Internet at the following site: [www.resisto.ca](http://www.resisto.ca)

### Update justification:

- GHS format.
- Section III.

**To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**