

WHMIS	PROTECTIVE CLOTHING	TRANSPORT OF DANGEROUS GOODS
Not regulated		Not regulated

SECTION I: CHEMICAL PRODUCT AND COMPANY 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

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.

WARNING! This product may contain substances known by the State of California that could cause cancer (asphalt).

SECTION II: COMPOSITION AND INFORMATION ON DANGEROUS INGREDIENTS

NAME	CAS #	% WEIGHT	EXPOSURE LIMIT (ACGIH)	
			TLV-TWA	TLV-STEL
BITUMINOUS BLEND				
Bitumen	8052-42-4	15-40	0.5 mg/m ³ Asphalt fumes	Not established
Styrene butadiene copolymer¹	9003-55-8	1-5	10 mg/m ³	Not established
Highly hydrotreated naphthenic oil¹	64742-52-5	1-5	Not established	Not established
UNDERFACE				
Polyethylene	9002-88-4	3-7	Not established	Not established
SURFACE				
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.

SECTION III: POTENTIAL HEALTH EFFECTS

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.

Asphalt:

According to the International Agency for Research on Cancer (IARC): not classifiable as to its carcinogenicity to humans. Epidemiological studies of roofers have generally demonstrated an excess of lung cancer in these workers. However, it is unclear to what extent these cancers may be attributable to asphalt exposures during roofing operations, since in the past, roofers have been exposed to coal tar and asbestos, which are known human lung carcinogens. Trace amounts of polynuclear aromatic hydrocarbons (PAHs) may be present in some types of asphalt and can be released upon excessive heating. Some of these PAHs have been identified as having the potential to induce carcinogenic and reproductive health effects. (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, CO₂, 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 (H₂O = 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

WHMIS: This product is not regulated by WHMIS.

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).

HMIS (USA):		NFPA (USA):	
Health	0	Health	0
Flammability	1	Flammability	1
Physical hazard	0	Instability	0
Protective equipment	B	Specific hazard	0

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
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
WHMIS:	Workplace Hazardous Materials Information System

References:

- (1) Material Safety Data Sheet from the supplier
- (2) NIOSH (2001) Hazard Review, Health Effects of Occupational Exposure to Asphalt. U.S. Department of Health and Human Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2001-110.

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

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

Update justification:

- New product.

This MSDS contains all the information required by ANSI Z-400.1-1998 standard (United States), by regulation 29 CFR Part 1910.1200 of the Hazard Communication Standard of OSHA, and is in accordance with standard DORS/88-66 OF WHMIS Canada.

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.