

MATERIAL SAFETY DATA SHEET  
**SOPRACOLLE E**

*Disponible en français*

WHMIS	PROTECTIVE CLOTHING	TRANSPORT OF DANGEROUS GOODS
		Not regulated

**SECTION I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** Sopracolle E  
**Use:** Used to adhere SBS-modified bitumen membranes in roofing construction.

**Code of MSDS:** CA U DRU SS FS 058 B  
**Formula Number :** Not available  
**Revision date:** July 4, 2005  
**Revised by:** Marie-Claude Fontaine, Health and safety Supervisor  
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**In case of emergency:**  
**SOPREMA (8:00am to 5:00pm):** (800) 567-1492  
**CHEMTREC (USA) (24h.):** (800) 424-9300

**EMERGENCY OVERVIEW!!!**

Semi-flexible asphaltic product with asphalt odour. Inhalation of dust or of asphalt fumes can cause a respiratory irritation.

**SECTION II. COMPOSITION AND INFORMATION ON DANGEROUS INGREDIENTS**

NAME	CAS #	% WEIGHT	EXPOSURE LIMIT (ACGIH)	
			TLV-TWA	TLV-STEL
Asphalt	8052-42-4	85-100	5 mg/m <sup>3</sup>	Not established

**SECTION III. POTENTIAL HEALTH EFFECTS***Effects of Short-Term (Acute) Exposure***INHALATION:**

Inhalation is only possible if the product is heated or if asphalt fumes are generated. Asphalt fumes may be irritating to the nose, throat and upper respiratory tract causing coughing, wheezing and/or shortness of breath. The acute effects of exposure to asphalt fumes include headache, fatigue, reduced appetite. Hydrogen sulphide (H<sub>2</sub>S) may arise from excessive heating, agitation or from contact with acids or acid salts. Inhaled H<sub>2</sub>S may cause central nervous system depression resulting in headache, dizziness, nausea, unconsciousness, and death. (1)

**SKIN CONTACT:**

No likely health effect if the product is not heated. Asphalt fumes exposure can cause severe irritation of the skin, dermatitis and acne-like lesions. Contact with hot product can cause serious burns. (1)

**EYE CONTACT:**

No likely health effect if the product is not heated. Asphalt fumes may cause irritation and redness. Contact with hot product can cause serious burns. (1)

**INGESTION:**

It is unlikely that toxic amounts of this product would be ingested with normal handling and use.

*Effects of Long-Term (Chronic) Exposure***SKIN CONTACT:**

No likely health effect if the product is not heated. Asphalt fumes exposure can cause severe irritation of the skin, dermatitis and acne-like lesions. Long-term contact can cause skin pigment change which is made worse by sunlight exposure. (1)

**INHALATION:**

No likely health effect if the product is not heated. Prolonged exposure to asphalt fumes can cause irritation to respiratory passages. Inhalation of asphalt fumes can cause central nervous system depression resulting in headache, dizziness, nausea, unconsciousness and death. (1)

**NERVOUS SYSTEM EFFECTS:**

No information available.

**CARCINOGENICITY:**

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 polycyclic aromatic hydrocarbons 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. The International Agency for Research on Cancer (IARC) considers that this product is not classifiable as to its carcinogenicity to humans. (1)

**TERATOGENICITY, EMBRYOTOXICITY, FETOTOXICITY:**

No information available.

**REPRODUCTIVE TOXICITY:**

No information available.

**MUTAGENICITY:**

No information available.

**TOXICOLOGICALLY SYNERGISTIC MATERIALS:**

No information available.

**POTENTIAL FOR ACCUMULATION:**

No information available.

**SECTION IV. FIRST AID MEASURES****SKIN CONTACT:**

Wash gently with warm water and soap to remove dust. In case of contact with hot product, flush skin immediately with large volumes of cold water. Do not attempt to remove material from affected area without medical assistance. Obtain medical attention.

**EYE CONTACT:**

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

**INHALATION:**

Remove victim from further exposure and restore breathing, if required. Obtain medical attention.

**INGESTION:**

Rinse mouth with water to remove dust, and drink plenty of water to help reduce irritation.

**SECTION V. FIRE-FIGHTING MEASURES**

**FLAMMABILITY:** Asphalt fumes are flammable.

**EXPLOSION DATA:** Not determined

**FLASH POINT:** > 300°C

**AUTO-IGNITION TEMPERATURE:** Not available

**INFLAMMABILITY LIMITS IN AIR:** (% in volume) Not available

**FIRE AND EXPLOSION HAZARDS:**

Asphalt fumes are flammable. Never work in a confined space to avoid gas accumulation. Do not use water on asphalt fire. Always keep away of containers exposed to intense heat.

**COMBUSTION PRODUCTS:**

Carbon monoxide, carbon dioxide and incomplete combustion products. Burning of this material will produce thick black smoke.

**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. Always stay away from containers because of the high risk of explosion. Stop leak before attempting to put out the fire. If leak cannot be stopped, and if there is no risk to the surrounding area, let the fire burn itself out. Move containers from fire area if this can be done without risk. Cool containers with flooding quantities of water until well after fire is out.

**MEANS OF EXTINCTION:**

Anti-alcohol or universal foam, dry chemical powder, CO<sub>2</sub>, sand.

**SECTION VI. ACCIDENTAL RELEASE MEASURES****RELEASE OR SPILL:**

Eliminate all sources of ignition. If hot material is spilled, allow enough time to cool completely and remove to a container for disposal. Wear appropriate breathing apparatus (if applicable) and protective clothing. Notify appropriate environmental agency(ies). Wash spill area with soap and water. Prevent entry into waterways, sewers, basements or confined areas.

**SECTION VII. HANDLING AND STORAGE****HANDLING:**

Avoid prolonged exposure to mist, fumes or vapours from hot material. Minimise skin and eye contact. Use under adequate ventilation measures. Wash body parts after manipulation.

**STORAGE:**

Store material away from all sources of heat and ignition in a fresh, well ventilated area. Keep away from children. Avoid the accumulation of dust.

**SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**HANDS:** Wear resistant gloves.

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

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

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

**SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES**

<b>PHYSICAL STATE:</b>	Solid
<b>ODOUR AND APPEARANCE:</b>	Black with asphalt odour.
<b>ODOUR THRESHOLD:</b>	Not available
<b>VAPOUR DENSITY (air = 1):</b>	Not available
<b>EVAPORATION RATE (Butyl acetate = 1):</b>	Not available
<b>BOILING POINT (760 mm Hg):</b>	Not available
<b>FREEZING POINT:</b>	Not available
<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1):</b>	Variable
<b>SOLUBILITY IN WATER (20° C):</b>	Insoluble
<b>VOLATILE ORGANIC COMPOUND (V.O.C.) CONTENT:</b>	Not available
<b>VISCOSITY:</b>	Not available

**SECTION X. STABILITY AND REACTIVITY**

<b>STABILITY:</b>	This material is stable.
<b>CONDITIONS OF REACTIVITY:</b>	Avoid excessive heat.
<b>INCOMPATIBILITY:</b>	Avoid accidental contact of hot material with water as this can cause violent eruptions. Avoid strong oxidizing agents.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	None identified.
<b>HAZARDOUS POLYMERISATION:</b>	None

**SECTION XI. TOXICOLOGICAL INFORMATION**

<b>TOXICOLOGICAL DATA:</b> Not available.	
<i>Effects of Short-Term (Acute) Exposure</i>	
<b>INHALATION:</b> No information available.	
<b>EYE IRRITATION:</b> No information available.	
<b>SKIN IRRITATION:</b> No information available.	
<i>Effects of Long-Term (Chronic) Exposure</i>	
<b>TARGET ORGANS:</b> No information available.	
<b>CARCINOGENICITY:</b> No information available.	
<b>REPRODUCTIVE EFFECTS:</b> No information available.	
<b>TERATOGENICITY, EMBRYOTOXICITY, FETOTOXICITY:</b> No information available.	
<b>MUTAGENICITY:</b> No information available.	

**SECTION XII. ECOLOGICAL INFORMATION**

<b>ENVIRONMENTAL EFFECTS:</b> 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.
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**SECTION XIII. DISPOSAL CONSIDERATIONS**

<b>WASTE DISPOSAL:</b> This product is not hazardous waste. Consult provincial and federal regulations to know disposal methods. This material is not listed by the EPA as hazardous waste as to follow RCRA (USA) regulations.
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**SECTION XIV. TRANSPORT INFORMATION****This product is not regulated by DOT and TDG.****SECTION XV. REGULATORY INFORMATION**

**WHMIS:** Class D2B: Toxic material causing other effects (asphalt has irritant effects).  
**DSL:** All constituents of this product are listed on the Domestic Substances List (DSL – Canada).  
**TSCA:** All constituents of this product are listed on the Toxic Substances Control Act Inventory (TSCA – United States).

<b>HMIS (USA):</b>	Health Hazard:	0	<b>NFPA (USA):</b>	Fire Hazard:	1
	Fire Hazard:	1		Reactivity:	0
	Reactivity:	0		Health:	1
	Personal protection:	-		Specific Hazard:	0

**SECTION XVI. OTHER INFORMATION****Glossary:**

**ACGIH:** American Conference of Governmental Industrial Hygienists  
**ANSI:** American National Standards Institute  
**CAS:** Chemical Abstract Services  
**CFR:** Code of Federal Regulations (United States)  
**DOT:** Department of Transportation (United States)  
**DSL:** Domestic Substances List (Canada)  
**EPA:** Environmental Protection Agency (United States)  
**HMIS:** Hazardous Material Information System  
**IARC:** International Agency for Research on Cancer  
**LC50:** (Lethal concentration<sub>50</sub>) Concentration of a substance in air that causes dead of 50% mortality of a defined animal population.  
**LD50:** (Lethal dose<sub>50</sub>) Single dose of a substance that, when administered by a defined route in an animal assay, is expected to cause the death of 50% of a defined animal population.  
**NIOSH:** National Institute for Occupational Safety and Health  
**NFPA:** National Fire Protection Association (United States)  
**NTP:** National Toxicology Program  
**OSHA:** Occupational Safety & Health Administration (United States)  
**RCRA:** Resource Conservation and Recovery Act (United States)  
**SARA:** Superfund Amendments and Reorganization Act  
**TDG:** Transportation Dangerous Goods  
**TLV:** Threshold Limit Value  
**TWA:** Time-weighted average  
**TSCA:** Toxic Substances Control Act (United States)  
**WHMIS:** Workplace Hazardous Materials Information System (Canada)

**Reference:**

(1) Material Safety Data Sheet of the supplier

**This MSDS has been prepared by:** Marie-Claude Fontaine  
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The Material Safety Data Sheets of SOPREMA Canada are available on Internet at the following site: <http://www.soprema.ca>

**Justification of the update:**

- Modification of the flash point. (Section V)

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 or 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.**