MATERIAL SAFETY DATA SHEET

COLPHENE H

Offerte en français

WHMIS	PROTECTIVE CLOTHING	TRANSPORT OF DANGEROUS GOODS
Not regulated		Not regulated

SECTION I: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Use: Used to adhere SBS-modified bitumen membranes to roofing construction.

Formula number: **Not available**

Distributors:

Soprema USA
310 Quadral Drive
Wadsworth (Ohio) 44281
UNITED STATES
Tel.: 1 800 356-3521

Soprema USA
12251 Seaway Road
Gulfport (Mississippi) 39507
UNITED STATES
Tel.: 228 239-1168

In case of emergency:

SOPREMA (8:00am to 5:00pm): 1 800 356-3521

CHEMTREC (USA) (24h.): 1 800 424-9300

EMERGENCY OVERVIEW!!!

Semi-flexible asphaltic product with asphalt odour. Inhalation of dust or of asphalt fumes can cause a respiratory and eye irritation. Hot asphalt burns skin and eyes. Heating of this product to high temperatures may produce vapours and/or hydrogen sulphide gas. Above 10 ppm, hydrogen sulphide gas is extremely toxic by inhalation; it may cause respiratory-tract irritation, respiratory failure, coma and death.

SECTION II: COMPOSITION AND INFORMATION ON DANGEROUS INGREDIENTS

NAME	CAS #	% WEIGHT	EXPOSURE LIMIT (ACGIH)	
			TLV-TWA	TLV-STEL
Asphalt	8052-42-4	30-60	0.5 mg/m^3	Not available

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, and reduced appetite. Hydrogen sulphide (H_2S) may arise from excessive heating, agitation or from contact with acids or acid salts. Inhaled H_2S 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: 200°C (420°F).
AUTO-IGNITION TEMPERATURE: Not available.
FLAMMABILITY 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, hydrogen sulphide, sulphur dioxide, 1-3 butadiene, styrene monomer 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_2, 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

PHYSICAL STATE:	Solid
ODOUR AND APPEARANCE:	Black with asphalt odour
ODOUR THRESHOLD:	Not available
VAPOUR DENSITY (air = 1):	Not available
EVAPORATION RATE (Butyl acetate = 1):	Not available
BOILING POINT (760 mm Hg):	370°C (698°F)
FREEZING POINT:	Not available
SPECIFIC GRAVITY (H_2O = 1):	1.18-1.33
SOLUBILITY IN WATER (20°C):	Insoluble
VOLATILE ORGANIC COMPOUND (V.O.C.) CONTENT:	Not available
VISCOSITY:	Not available

SECTION X: STABILITY AND REACTIVITY

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

SECTION XI: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA: Not available

Effects of Short-Term (Acute) Exposure

INHALATION: No information available.

EYE IRRITATION: No information available.

SKIN IRRITATION: No information available.

Effects of Long-Term (Chronic) Exposure

TARGET ORGANS: No information available.

CARCINOGENICITY: No information available.

REPRODUCTIVE EFFECTS: No information available.

TERATOGENICITY, EMBRYOTOXICITY, FETOTOXICITY: No information available.

MUTAGENICITY: No information available.

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.

SECTION XIII:DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:
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 may require that environmental and / or other agencies be notified.

SECTION XIV: TRANSPORT INFORMATION

This product is not regulated by DOT and TDG.

SECTION XV: REGULATORY INFORMATION

WHMIS: Not regulated.
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).

HMIS (USA):		NFPA (USA):	
Health:	**2**	**Health:**	**2**
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
ASTM: American Society for Testing and Materials
CAS: Chemical Abstract Services
CSA: Canadian Standardisation Association
DOT: Department of Transportation (United States)
EPA: Environmental Protection Agency (United States)
HMIS: Hazardous Material Information System
LD50/LC50: Less high lethal dose and lethal concentration published
NFPA: National Fire Protection Association (United States)
OSHA: Occupational Safety & Health Administration (United States)
RCRA: Resource Conservation and Recovery Act (United States)
TDG: Transportation of Dangerous Goods
TLV-TWA: Threshold Limit Value – Time-weighted average
WHMIS: Workplace Hazardous Materials Information System (Canada)

Reference:
(1) Material Safety Data Sheet of the supplier

Code of MSDS: **CA U DRU SS FS 071**
For more information: 1-800-356-3521

Justification of the update:
- 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.

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