



Hydroflex 30

Safety Data Sheet

Date of issue: February 14, 2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Solid, sheet material

Product name : Hydroflex 30

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Industrial / Professional Use : Industrial
For professional use

Use of the substance / preparation : Protective board for use with the MM6125® membrane.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer / Supplier

Hydrotech Membrane Corp.
10951 Parkway, Anjou (Québec) H1J 1S1
1-514-353-6000, 1-800-361-8924
1-514-354-6649
info@hydrotechmembrane.ca - www.hydrotechmembrane.ca

1.4. Emergency telephone number

Emergency number : Professional Emergency Resource Services (PERS) Domestic/Canada: 1-800-633-8253
International : 1-801-629-0667
POISON CONTROL CENTER (QC 24 hours): 1-800-463-5060

SECTION 2: Identification des dangers

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Since the products listed above are considered end-use items or manufactured items, they are not included in the scope of WHMIS 2015 and the Globally Harmonized System of Classification (GHS). As such, the elements of the labelling and classification of GHS / WHMIS is not included in this Material Safety Data Sheet (MSDS).

WORD INDICATOR Not applicable

SYMBOL (S) Not applicable.

CLASSIFICATION Not applicable.

HAZARD STATEMENTS H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

WARNINGS P201 Obtain special instructions before use.

P202 Do not handle until you have read and understood all safety precautions.

P260 Do not breathe dust / fume / gas / mist / vapours / spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke while using this product.

P281 Use required personal protective equipment.

P308 + P313 If exposure is proven or suspected, get medical advice.

P314 If you feel unwell, seek medical help.

P501 Disposes of contents / containers in accordance with regulations

local / regional / national / international

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NFPA No information available.

HMIS No information available.

SECTION 3: Composition / Information on ingredients

Name	CAS number	%
Oxidized bitumen	64742-93-4	0-30
Bitumen	8052-42-4	15-75
Limestone	1317-65-3	0-55
polymers	(Exclusive blend)	2-15
Crystalline silica (quartz)	14808-60-7	0-10
Fibreglass frame	65997-17-3	0-10
Talc / sand	14807-96-6	0-30
Graphite	7782-42-5	0-2
Titanium dioxide	13463-67-7	0-2,5

SECTION 4: Premiers secours

First aid after inhalation : If the victim is exposed to combustion or asphalt fumes, bring them to fresh air. Get medical help if the victim has been heavily exposed to combustion or asphalt fumes.

First aid after skin contact : In case of cuts or abrasions due to handling, administer routine first aid. Wash hands with soap and water after handling the material.

First aid after eye contact : In case of contact with the hot product cool the area of the affected body by immersing it in water or in the shower. Do not attempt to remove the product from the affected area. Get medical help immediately.

First aid after ingestion : Rinse the affected eye with a jet of water for at least 15 minutes. Consult a doctor if the eye is inflamed.

ACUTE AND CHRONIC SYMPTOMS: Refer to Section 11, Toxicological Information, for more information.

MEDICAL ATTENTION: Additional information not available.

SECTION 5: Fire-fighting measures

EXTINGUISHING MEDIA Water spray, dry chemical or carbon dioxide.

FIRE FIGHTING Specific information not available.

FLAMMABILITY Flammable.

PROPERTIES

FLASH POINT Not applicable.

FLAMMABLE ZONE IN AIR Not applicable.

AUTOIGNITION TEMPERATURE Not applicable.

PERSONAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS Use NIOSH approved self-contained breathing apparatus when this product is exposed to flames, as this product emits potentially toxic fumes thermal degradation.

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SECTION 6: Accidental release measures

PERSONAL PRECAUTIONS, MEASURES PROTECTION AND PROCEDURES EMERGENCY	Ensure that ventilation is sufficient. If the material is in a warm state, allow it to cool before removing.
ENVIRONMENTAL PRECAUTIONS	Information not available.
SPILL MANAGEMENT	Normal maintenance procedures. Pick up the pieces and discard them in accordance with local, provincial and federal regulations.

SECTION 7: Manipulation et stockage

Precautions for safe handling	: When handling material, wear personal protective equipment as described in Section 8.
Storage conditions	: Store in a dry place away from the weather, high temperatures and flames or sparks.
Other precautions	: Comply with local safety standards and codes regarding roofing work. Always use a fall protection system when working on the roof. Do not circulate on materials that have not been securely fastened to the roof decking.

SECTION 8: Exposure control / personal protection

CHEMICAL NAME	EXPOSURE LIMITS IN THE WORKPLACE				
	ALBERTA	ONTARIO	BRITISH COLUMBIA	OSHA	ACGIH
Oxidized Asphalt (Bitumen) Fumes	TWA : 5 mg/m ³	TWA : 0,5 mg/m ³	TWA : 0,5 mg/m ³	No information available	TWA : 0,5 g/m ³
Crystalline Silica (Quartz)	TWA : 0,025 mg/m ³	TWA : 0,10 mg/m ³	TWA : 0,025 mg/m ³	TWA : 0,05 mg/m ³	TWA : 0,025 mg/m ³
Talc	TWA : 2 mg/m ³	TWA : 2 mg/m ³	TWA : 2 mg/m ³	TWA : 20 mppcf	TWA : 2 mg/m ³
Titanium Dioxide	TWA : 10 mg/m ³	TWA : 10 mg/m ³	TWA : 10 mg/m ³	TWA : 15 mg/m ³ (total dust)	TWA : 10 mg/m ³ ((total dust)
Hydrogen Sulfide	TWA : 10 ppm Ceiling : 15 ppm				

ENGINEERING MEASURES : Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

INDIVIDUAL PROTECTION EQUIPMENT:

RESPIRATORY PROTECTION : Not required if the material is used under normal conditions. Wear NIOSH approved respirator if dust or asphalt emission levels are above the standard exposure limits.

SKIN AND BODY PROTECTION : Minimize contact with the skin. Protective gloves may be worn when handling the material.

EYE PROTECTION : Wear safety glasses or goggles if necessary.

HYGIENE MEASURES : Wash hands with soap after handling the material.

OTHER CONTROLS : If contact is unavoidable, wear all necessary protective equipment.

SECTION 9: Physical and chemical properties

Physical state	: Solid, sheet material
Colour	: Grey
Odour	: Slight smell of asphalt
Olfactory threshold	: no data available
pH	: no data available
Relative evaporation rate (butyl acetate = 1)	: no data available
Fusion point	: no data available
Boiling point	: no data available
Flash point	: no data available
Auto-ignition temperature	: no data available
Flammability (solid, gas)	: fireproof
Vapour pressure	: Not applicable
Relative density of vapour at 20 ° C	: no data available
Relative density	: > 1.0
Solubility	: Insoluble
Viscosity	: no data available

SECTION 10: Stability and reactivity

REACTIVITY:

CHEMICAL STABILITY : Stable at room temperature.

POSSIBILITY OF HAZARDOUS REACTIONS : Information not available.

CONDITIONS TO AVOID : Avoid excessive heat.

INCOMPATIBLE MATERIALS : Strong oxidizing agents, strong acids, alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS : CO_x, SO_x, NO_x, smoke, hydrogen sulfide.

SECTION 11: Toxicological information

ACUTE / CHRONIC TOXICITY **WARNING:** This product may contain crystalline silica (quartz). IARC MONOGRAPH VOLUME 68, 1997 concludes that there is sufficient evidence that inhaled crystalline silica causes cancer in humans. IARC classification: Group 1

WARNING: This product may contain Titanium Dioxide. IARC concludes that Titanium Dioxide is possibly carcinogenic to humans IARC classification: Group 2B

WARNING: This product may contain oxidized bitumen. The International Agency for Research on Cancer (the "IARC") published a monograph in 2013 which concluded that "occupational exposure to oxidized bitumen and their emissions during roofing operations are probably carcinogenic to humans." This warning may be updated at such time as a final determination is made and IARC has published its monograph on the matter. IARC Classification: Group 2A.

The IARC found that there is "limited evidence" in humans for the carcinogenicity of occupational exposures to bitumen and bitumen emissions during roofing and mastic-asphalt work. The IARC also found that there is "sufficient evidence" in experimental animals for carcinogenicity of fume condensates generated from oxidized bitumen. All other evidence of cancer in humans and experimental animals was judged "inadequate" or "limited." The physical nature of this product may help limit any inhalation hazard from oxidized asphalt during application in its hardened state. However, physical forces such as grinding, drilling and other demolition work on this product may liberate dust containing oxidized asphalt. Burning or heating of the product may cause fumes, vapours or mists.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE : No information available.

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PRIMARY ROUTE OF EXPOSURE : Inhalation

HEALTH EFFECTS:

EYES	When the product is heated, asphalt fumes are moderately irritating to the eyes.
SKIN	If the product is heated, the hot material may cause thermal burns.
INHALATION	Inhalation of hot asphalt fumes may cause nausea, headaches and dizziness.
INGESTION	Ingestion is unlikely. If swallowed, the product may cause irritation of the digestive tract.
STOT (SPECIAL TOXICITY FOR ONE ACCURATE ORGAN) - UNIQUE EXPOSURE	No information available.
STOT (SPECIFIC TOXICITY FOR A PRECISE ORGAN) - REPEATED EXPOSURE	No information available.
CARCINOGENICITY	Crystalline silica (quartz) is listed as IARC Group 1 (is carcinogenic to humans). Oxidized asphalt is listed as IARC Group 2A (probably carcinogenic to humans). Titanium Dioxide is listed as IARC Group 2B (possibly carcinogenic to humans)
REPRODUCTIVE TOXICITY:	
DEVELOPMENT OF OFFSPRING	No information available
SEXUAL FUNCTIONS AND FERTILITY	No information available
MUTAGENICITY OF GERMINAL CELLS	No information available

SECTION 12: Ecological information

ECOTOXICITY	: No information available
PERSISTENCE AND DEGRADABILITY	: No information available
BIODEGRADATION AND MOBILITY	: No information available
POTENTIAL OF BIOACCUMULATION	: No information available

SECTION 13: Disposal considerations

RECOMMENDATIONS ON WASTE DISPOSAL : Follow municipal, provincial and federal regulations.

SECTION 14: Transport information

No information available

SECTION 15: Regulatory information

No information available

SECTION 16: Other information

This information is based on our current knowledge and is intended to describe the product for health, safety and environmental purposes. It should not be interpreted as guaranteeing any specific property of the product.