

# Asphalt Protective Coating 4 years - Bitumen Emulsion

## Safety Data Sheet

according to Hazardous Products Regulation (WHMIS Revision 7-8)  
according to Federal Register / Vol. 89, No. 98 / Monday, May 20, 2024 / Rules and Regulations (HAZCOM Revision 7-8)  
Issue date: 9/18/2025 Version: 1.0

### SECTION 1 Identification

#### 1.1. GHS Product identifier

Product form : Mixture  
Product name : Asphalt Protective Coating 4 years - Bitumen Emulsion

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Product usage : Asphalt sealer

#### 1.4. Supplier's details

Soprema Inc  
1640 rue Haggerty  
Drummondville, Québec, Qc J2C 5P8  
Canada  
T +1 (800) 567-1492

#### 1.5. Emergency phone number

Emergency number : Chemtrec: + (800) 424-9300  
Soprema: +1 (800) 567-1492

### SECTION 2 Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS CA)

Carcinogenicity, Category 1A H350 May cause cancer.  
Full text of H-statements: see section 16

#### 2.2. GHS label elements, including precautionary statements

##### GHS CA labelling

Hazard pictograms :



Signal word : Danger

Hazard statements :

H350 - May cause cancer.

Precautionary statements :

P201 - Obtain special instructions before use.

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

P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.

P308+P313 - IF exposed or concerned: Get medical advice or attention.

P405 - Store locked up.

P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

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### 2.3. Other hazards which do not result in classification

No additional information available

## **SECTION 3 Composition/information on ingredients**

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	Conc. (% w/w)
Quartz (SiO <sub>2</sub> )	-	CAS-No.: 14808-60-7	0.01 - 1.5
Carbon black	-	CAS-No.: 1333-86-4	0.1 – 0.5
Titanium dioxide	-	CAS-No.: 13463-67-7	0.01 - 0.5

## **SECTION 4 First-aid measures**

### 4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.  
First-aid measures general : IF exposed or concerned: Get medical advice/attention.

### 4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : None under normal conditions.  
Symptoms/effects after skin contact : None under normal conditions.  
Symptoms/effects after eye contact : None under normal conditions.  
Symptoms/effects after ingestion : None under normal conditions.

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Treat symptomatically.

## **SECTION 5 Fire-fighting measures**

### 5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.  
Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard : No fire hazard.  
Explosion hazard : No direct explosion hazard.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective actions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

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Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### **SECTION 6 Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

Environmental precautions : Avoid release to the environment. Notify authorities if product enters sewers or public waters.

#### **6.2. Methods and materials for containment and cleaning up**

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

For further information refer to section 13

### **SECTION 7 Handling and storage**

#### **7.1. Precautions for safe handling**

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly.

Hygiene measures : Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

#### **7.2. Conditions for safe storage, including any incompatibilities**

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Store locked up.

Packaging materials : Store always product in container of same material as original container.

### **SECTION 8 Exposure controls/personal protection**

#### **8.1. Control parameters**

<b>Quartz (SiO<sub>2</sub>) (14808-60-7)</b>	
<b>Canada (Alberta) - Occupational Exposure Limits</b>	
Local name	Silica-Crystalline: Quartz
OEL TWA	0.025 mg/m <sup>3</sup> Respirable particulate
Notations and remarks	Carcinogenicity A2

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<b>Quartz (SiO<sub>2</sub>) (14808-60-7)</b>	
Regulatory reference	Alberta Regulation 191/2021
<b>Canada (Quebec) - Occupational Exposure Limits</b>	
Local name	Silica - Crystalline, Quartz
VEMP (OEL TWAEV)	0.1 mg/m <sup>3</sup> Rd
Notations and remarks	C2, EM
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
<b>Canada (British Columbia) - Occupational Exposure Limits</b>	
Local name	Silica, Crystalline - alpha quartz
OEL TWA	0.025 mg/m <sup>3</sup> Respirable
Notations and remarks	ACGIH Carcinogenicity category A2; IARC group 1 carcinogen
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
<b>Canada (Manitoba) - Occupational Exposure Limits</b>	
Local name	Silica crystalline - quartz
OEL TWA	0.025 mg/m <sup>3</sup> (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2024
<b>Canada (Newfoundland and Labrador) - Occupational Exposure Limits</b>	
Local name	Silica crystalline - quartz
OEL TWA	0.025 mg/m <sup>3</sup> (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2024
<b>Canada (Nova Scotia) - Occupational Exposure Limits</b>	
Local name	Silica crystalline - quartz
OEL TWA	0.025 mg/m <sup>3</sup> (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2024
<b>Canada (Nunavut) - Occupational Exposure Limits</b>	
Local name	Silica - Crystalline: Quartz
OEL TWA	0.05 mg/m <sup>3</sup> (respirable fraction)
Notations and remarks	Designated substance
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
<b>Canada (Northwest Territories) - Occupational Exposure Limits</b>	
Local name	Silica - Crystalline: Quartz
OEL TWA	0.05 mg/m <sup>3</sup> (respirable fraction)
Notations and remarks	Designated substance
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)

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<b>Quartz (SiO<sub>2</sub>) (14808-60-7)</b>	
<b>Canada (Ontario) - Occupational Exposure Limits</b>	
Local name	Silica, Crystalline - Quartz
OEL TWAEV	0.1 mg/m <sup>3</sup> (R - Respirable fraction)
Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
<b>Canada (Prince Edward Island) - Occupational Exposure Limits</b>	
Local name	Silica crystalline - quartz
OEL TWA	0.025 mg/m <sup>3</sup> (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2024
<b>Canada (Saskatchewan) - Occupational Exposure Limits</b>	
Local name	Silica - Crystalline: Quartz
OEL TWA	0.05 mg/m <sup>3</sup> (respirable fraction)
Notations and remarks	Designated Chemical Substance
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Silica crystalline - quartz
ACGIH® TLV® TWA	0.025 mg/m <sup>3</sup> (R - Respirable particulate matter)
Remark (ACGIH)	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2024
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Quartz (Total Dust) (Silica: Crystalline)
Remark (OSHA)	Table Z-3. For OSHA PEL (TWA) use formula: (30 mg/m <sup>3</sup> / (%SiO <sub>2</sub> +2)) for mg/m <sup>3</sup> . CAS No. source: eCFR Table Z-1.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts
<b>Titanium dioxide (13463-67-7)</b>	
<b>Canada (Alberta) - Occupational Exposure Limits</b>	
Local name	Titanium dioxide
OEL TWA	10 mg/m <sup>3</sup>
Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Regulatory reference	Alberta Regulation 191/2021
<b>Canada (Quebec) - Occupational Exposure Limits</b>	
Local name	Titanium dioxide
VEMP (OEL TWAEV)	10 mg/m <sup>3</sup> Td
Notations and remarks	Note 1: The standard corresponds to dust containing no asbestos and the percentage in crystalline silica is less than 1%
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety

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<b>Titanium dioxide (13463-67-7)</b>	
<b>Canada (British Columbia) - Occupational Exposure Limits</b>	
Local name	Titanium dioxide
OEL TWA	10 mg/m <sup>3</sup> Total dust 3 mg/m <sup>3</sup> Respirable fraction
Notations and remarks	IARC group 2B carcinogen
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
<b>Canada (Manitoba) - Occupational Exposure Limits</b>	
Local name	Titanium dioxide
OEL TWA	0.2 mg/m <sup>3</sup> (Nanoscale particles. R - Repairable particulate matter) 2.5 mg/m <sup>3</sup> (Finescale particles. R - Repairable particulate matter)
Notations and remarks	TLV® Basis: LRT irr; pneumoconiosis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
<b>Canada (New Brunswick) - Occupational Exposure Limits</b>	
Local name	Titanium dioxide
OEL TWA	10 mg/m <sup>3</sup>
Notations and remarks	LRT irr
<b>Canada (Newfoundland and Labrador) - Occupational Exposure Limits</b>	
Local name	Titanium dioxide
OEL TWA	0.2 mg/m <sup>3</sup> (Nanoscale particles. R - Repairable particulate matter) 2.5 mg/m <sup>3</sup> (Finescale particles. R - Repairable particulate matter)
Notations and remarks	TLV® Basis: LRT irr; pneumoconiosis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
<b>Canada (Nova Scotia) - Occupational Exposure Limits</b>	
Local name	Titanium dioxide
OEL TWA	0.2 mg/m <sup>3</sup> (Nanoscale particles. R - Repairable particulate matter) 2.5 mg/m <sup>3</sup> (Finescale particles. R - Repairable particulate matter)
Notations and remarks	TLV® Basis: LRT irr; pneumoconiosis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
<b>Canada (Nunavut) - Occupational Exposure Limits</b>	
Local name	Titanium dioxide
OEL TWA	10 mg/m <sup>3</sup>
OEL STEL	20 mg/m <sup>3</sup>
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
<b>Canada (Northwest Territories) - Occupational Exposure Limits</b>	
Local name	Titanium dioxide
OEL TWA	10 mg/m <sup>3</sup>

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<b>Titanium dioxide (13463-67-7)</b>	
OEL STEL	20 mg/m <sup>3</sup>
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
<b>Canada (Ontario) - Occupational Exposure Limits</b>	
Local name	Titanium dioxide
OEL TWAEV	10 mg/m <sup>3</sup>
Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
<b>Canada (Prince Edward Island) - Occupational Exposure Limits</b>	
Local name	Titanium dioxide
OEL TWA	0.2 mg/m <sup>3</sup> (Nanoscale particles. R - Repairable particulate matter) 2.5 mg/m <sup>3</sup> (Finescale particles. R - Repairable particulate matter)
Notations and remarks	TLV® Basis: LRT irr; pneumoconiosis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
<b>Canada (Saskatchewan) - Occupational Exposure Limits</b>	
Local name	Titanium dioxide
OEL TWA	10 mg/m <sup>3</sup>
OEL STEL	20 mg/m <sup>3</sup>
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Titanium dioxide
ACGIH® TLV® TWA	0.2 mg/m <sup>3</sup> (Nanoscale particles. R - Repairable particulate matter) 2.5 mg/m <sup>3</sup> (Finescale particles. R - Repairable particulate matter)
Remark (ACGIH)	TLV® Basis: LRT irr; pneumoconiosis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Titanium dioxide (Total dust)
OSHA PEL TWA	15 mg/m <sup>3</sup>
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>Carbon black (1333-86-4)</b>	
<b>Canada (Alberta) - Occupational Exposure Limits</b>	
Local name	Carbon black
OEL TWA	3.5 mg/m <sup>3</sup>
Regulatory reference	Alberta Regulation 191/2021
<b>Canada (Quebec) - Occupational Exposure Limits</b>	
Local name	Carbon black
VEMP (OEL TWAEV)	3 mg/m <sup>3</sup> Id
Notations and remarks	C3

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<b>Carbon black (1333-86-4)</b>	
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
<b>Canada (British Columbia) - Occupational Exposure Limits</b>	
Local name	Carbon black
OEL TWA	3 mg/m <sup>3</sup> Inhalable
Notations and remarks	IARC group 2B carcinogen
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
<b>Canada (Manitoba) - Occupational Exposure Limits</b>	
Local name	Carbon black
OEL TWA	3 mg/m <sup>3</sup> (I - Inhalable particulate matter)
Notations and remarks	TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
<b>Canada (New Brunswick) - Occupational Exposure Limits</b>	
Local name	Carbon black
OEL TWA	3 mg/m <sup>3</sup>
Notations and remarks	Bronchitis
<b>Canada (Newfoundland and Labrador) - Occupational Exposure Limits</b>	
Local name	Carbon black
OEL TWA	3 mg/m <sup>3</sup> (I - Inhalable particulate matter)
Notations and remarks	TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
<b>Canada (Nova Scotia) - Occupational Exposure Limits</b>	
Local name	Carbon black
OEL TWA	3 mg/m <sup>3</sup> (I - Inhalable particulate matter)
Notations and remarks	TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
<b>Canada (Nunavut) - Occupational Exposure Limits</b>	
Local name	Carbon black
OEL TWA	3.5 mg/m <sup>3</sup>
OEL STEL	7 mg/m <sup>3</sup>
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
<b>Canada (Northwest Territories) - Occupational Exposure Limits</b>	
Local name	Carbon black
OEL TWA	3.5 mg/m <sup>3</sup>
OEL STEL	7 mg/m <sup>3</sup>

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<b>Carbon black (1333-86-4)</b>	
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
<b>Canada (Ontario) - Occupational Exposure Limits</b>	
Local name	Carbon black
OEL TWAEV	3 mg/m <sup>3</sup> (I - Inhalable fraction)
Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
<b>Canada (Prince Edward Island) - Occupational Exposure Limits</b>	
Local name	Carbon black
OEL TWA	3 mg/m <sup>3</sup> (I - Inhalable particulate matter)
Notations and remarks	TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
<b>Canada (Saskatchewan) - Occupational Exposure Limits</b>	
Local name	Carbon black
OEL TWA	3.5 mg/m <sup>3</sup>
OEL STEL	7 mg/m <sup>3</sup>
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Carbon black
ACGIH® TLV® TWA	3 mg/m <sup>3</sup> (I - Inhalable particulate matter)
Remark (ACGIH)	TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Carbon black
OSHA PEL TWA	3.5 mg/m <sup>3</sup>
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures, such as personal protective equipment (PPE)

#### Personal protective equipment:

Wear recommended personal protective equipment.

<b>Hand protection:</b>
Protective gloves

<b>Eye protection:</b>
Safety glasses

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### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

### Personal protective equipment symbol(s):



## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Opaque liquid
Colour	: Brown
Odour	: None
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 100 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: 1.05
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 1200 cP
Explosive limits	: No data available
Particle characteristics	: No data available

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: No additional information available
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	: No additional information available

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### **SECTION 11 Toxicological information**

#### **11.1. Likely routes of exposure**

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

<b>Titanium dioxide (13463-67-7)</b>	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity)
LC50 Inhalation - Rat (Dust/Mist)	> 6.82 mg/l Source: ECHA

<b>Carbon black (1333-86-4)</b>	
LD50 oral rat	> 8000 mg/kg Source: ECHA
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:, Guideline: other:, Guideline: other:, Guideline: other:
LC50 Inhalation - Rat	> 4.6 mg/m <sup>3</sup>

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : May cause cancer.

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

<b>Carbon black (1333-86-4)</b>	
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.0071 mg/l air Animal: rat, Animal sex: male
NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.0011 mg/l air Animal: rat, Animal sex: male
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

Symptoms/effects after inhalation : None under normal conditions.

Symptoms/effects after skin contact : None under normal conditions.

Symptoms/effects after eye contact : None under normal conditions.

Symptoms/effects after ingestion : None under normal conditions.

### **SECTION 12 Ecological information**

#### **12.1. Toxicity**

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified.

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<b>Titanium dioxide (13463-67-7)</b>	
LC50 - Fish [1]	> 100 mg/l
EC50 - Other aquatic organisms [1]	> 100 mg/l Test organisms (species):
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
LOEC (chronic)	5 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
<b>Carbon black (1333-86-4)</b>	
LC50 - Fish [1]	> 1000 mg/l Source: NITE
EC50 - Crustacea [1]	> 1000 mg/l Test organisms (species): Daphnia magna
ErC50 algae	> 10000 mg/l Source: EHCA

### 12.2. Persistence and degradability

<b>Quartz (SiO2) (14808-60-7)</b>	
Persistence and degradability	Rapidly degradable
<b>Titanium dioxide (13463-67-7)</b>	
Persistence and degradability	Rapidly degradable
<b>Carbon black (1333-86-4)</b>	
Persistence and degradability	Rapidly degradable

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Ozone : Not classified

Fluorinated greenhouse gases : No

## **SECTION 13 Disposal considerations**

Regional waste regulation : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Sewage disposal recommendations : Disposal must be done according to official regulations.  
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.  
Additional information : Do not re-use empty containers.

## **SECTION 14 Transport information**

In accordance with TDG / DOT / IMDG / IATA

### 14.1. UN Number

Not regulated for transport

# Asphalt Protective Coating 4 years - Bitumen Emulsion

## Safety Data Sheet

according to Hazardous Products Regulation (WHMIS Revision 7-8)

according to Federal Register / Vol. 89, No. 98 / Monday, May 20, 2024 / Rules and Regulations (HAZCOM Revision 7-8)

### 14.2. UN Proper Shipping Name

Proper Shipping Name (TDG) : Not regulated  
Proper Shipping Name (DOT) : Not regulated  
Proper Shipping Name (IMDG) : Not regulated  
Proper Shipping Name (IATA) : Not regulated

### 14.3. Transport hazard class(es)

**TDG**  
Transport hazard class(es) (TDG) : Not regulated

**DOT**  
Transport hazard class(es) (DOT) : Not regulated

**IMDG**  
Transport hazard class(es) (IMDG) : Not regulated

**IATA**  
Transport hazard class(es) (IATA) : Not regulated

### 14.4. Packing group, if applicable

Packing group (TDG) : Not regulated  
Packing group (DOT) : Not regulated  
Packing group (IMDG) : Not regulated  
Packing group (IATA) : Not regulated

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

**TDG**  
Not regulated

**DOT**  
Not regulated

**IMDG**  
Not regulated

**IATA**  
Not regulated

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78<sup>9</sup> and the IBC Code<sup>10</sup>

Not applicable

## SECTION 15 Regulatory information

### 15.1. National regulations

**Quartz (SiO<sub>2</sub>) (14808-60-7)**

Listed on the Canadian DSL (Domestic Substances List)

# Asphalt Protective Coating 4 years - Bitumen Emulsion

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according to Hazardous Products Regulation (WHMIS Revision 7-8)

according to Federal Register / Vol. 89, No. 98 / Monday, May 20, 2024 / Rules and Regulations (HAZCOM Revision 7-8)

### Titanium dioxide (13463-67-7)

Listed on the Canadian DSL (Domestic Substances List)

### Carbon black (1333-86-4)

Listed on the Canadian DSL (Domestic Substances List)

### Quartz (SiO<sub>2</sub>) (14808-60-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### Titanium dioxide (13463-67-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### Carbon black (1333-86-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

## 15.2. International regulations

### UNITED STATES OF AMERICA

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

Redicote AP-1	CAS-No.	0.1 – 0.5%
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This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.



#### WARNING:

This product can expose you to Carbon black (airborne, unbound particles of respirable size), which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SECTION 16 Other Information

Issue date : 9/18/2025

### Full text of hazard classes and H-statements:

H350	May cause cancer.
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Safety Data Sheet (SDS), Canada- USA - Toxyscan 2025

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