

Eco Bright™

SECTION 1. IDENTIFICATION

Product Identifier	Eco Bright™
Recommended Use	Industrial Coating.
Restrictions on Use	Not applicable.
Manufacturer	SBH Seal, 1027 Autoroute 440 Ouest, Laval, Quebec, H7L 3W3, Canada, Safety and Regulatory Department, 450-662-0221, http://sbhseal.com/
Emergency Phone No.	Canutec, 613-996-6666, 24/7 Emergency Response
SDS No.	0577

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

Classification

Acute toxicity (Oral) - Category 4; Skin sensitization - Category 1; Carcinogenicity - Category 1A; Specific target organ toxicity (repeated exposure) - Category 2; Aquatic hazard (Chronic) - Category 1

Label Elements



Signal Word:

Danger

Hazard Statement(s):

Causes mild skin irritation.

Causes eye irritation.

May cause respiratory irritation.

May cause an allergic skin reaction.

Suspected of causing cancer if inhaled, following skin contact and/or if swallowed.

May cause damage to organs (lungs, kidneys) through prolonged or repeated exposure if inhaled.

Harmful if swallowed.

Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s):

Prevention:

Obtain special instructions before use.

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

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

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

Wash hands and skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

If skin irritation or rash occurs: Get medical advice or attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

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If eye irritation persists: Get medical advice or attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF exposed or concerned: Get medical advice or attention.
Specific treatment (see antidote information on this label).
Take off contaminated clothing and wash it before reuse.

Storage:

Store locked up.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Calcium carbonate	1317-65-3	30 - 35		
Water	7732-18-5	10 - 15		
Titanium dioxide	13463-67-7	5 - 7		
Zinc oxide	1314-13-2	3 - 5		
Ethylene glycol	107-21-1	0.5 - 1.5		
Silica, quartz	14808-60-7	0.5 - 1		
Solvent-dewaxed heavy paraffinic petroleum distillate (no/mild solvent-refining or no/mild hydrotreatment)	64742-65-0	0.2 - 0.4		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. Keep at rest in a position comfortable for breathing. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of water. Get medical advice or attention if you feel unwell or are concerned. If skin irritation or a rash occurs, get medical advice or attention.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Get medical advice or attention if you feel unwell or are concerned.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Immediate Medical Attention and Special Treatment

Target Organs

Eyes, skin.

Special Instructions

Not applicable.

Medical Conditions Aggravated by Exposure

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Dermatitis.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media

Not applicable.

Specific Hazards Arising from the Product

Does not burn.

Special Protective Equipment and Precautions for Fire-fighters

No special precautions are necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Non-emergency personnel: get expert advice. Emergency responders: evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas. Minimize the use of water to prevent environmental contamination.

Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product. Contaminated absorbent poses the same hazard as the spilled product.

Other Information

Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Obtain special instructions before use. Avoid breathing in this product. Do not get in eyes, on skin or on clothing. Prevent accidental contact with incompatible chemicals. Avoid release to the environment. Immediately report leaks, spills or failures of the safety equipment (e.g. ventilation system). Wear personal protective equipment to avoid direct contact with this chemical. Do NOT eat, drink or store food in work areas. Remove contaminated clothing and protective equipment before entering eating areas or leaving work area. Wash hands thoroughly after handling this material. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

Conditions for Safe Storage

Store in an area that is: cool, ventilated, separate from incompatible materials (see Section 10: Stability and Reactivity). Store in a closed container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Calcium carbonate			5 mg/m ³			
Zinc oxide	5 mg/m ³					
Ethylene glycol	25 ppm	50 ppm				
Silica, quartz	0.025 mg/m ³		0.1 mg/m ³			
Solvent-dewaxed heavy paraffinic petroleum distillate (no/mild solvent-	5 mg/m ³		5 mg/m ³			

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refining or no/mild hydrotreatment)					
Titanium dioxide	10 mg/m3		15 mg/m3		

Appropriate Engineering Controls

General ventilation is usually adequate. Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Safety glasses with side-shields.

Skin Protection

Wear protective gloves.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	White liquid. Particle Size: Not applicable
Odour	Not available
Odour Threshold	Not available
pH	Not available
Melting Point/Freezing Point	Not available (melting); 0 °C (freezing)
Boiling point/Initial boiling point	100 °C
Boiling Range	Not available
Flash Point	Not applicable
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	1.446
Solubility	Soluble in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)
Other Information	
Physical State	Liquid
Molecular Formula	Not applicable
Molecular Weight	Not applicable
Bulk Density	Not available
Surface Tension	Not available
Critical Temperature	Not available
Electrical Conductivity	Not available
Vapour Pressure at 50 deg C	Not available
Saturated Vapour Concentration	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

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Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

None known.

Incompatible Materials

Strong acids (e.g. hydrochloric acid), strong bases (e.g. sodium hydroxide).

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; skin absorption; eye contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Calcium carbonate		6450 mg/kg (rat)	
Zinc oxide	5700 mg/m ³ (rat) (4-hour exposure)	> 5000 mg/kg	
Ethylene glycol	> 2.5 mg/L (rat)	7712 mg/kg (rat)	> 10600 mg/kg (rabbit)
Silica, quartz		500 mg/kg (rat)	
Solvent-dewaxed heavy paraffinic petroleum distillate (no/mild solvent-refining or no/mild hydrotreatment)		> 5000 mg/kg	> 5000 mg/kg
Titanium dioxide	6820 mg/m ³ (rat) (4-hour exposure)	> 2000 mg/kg (rat)	> 10000 mg/kg (rabbit)

Skin Corrosion/Irritation

May cause mild irritation based on information for closely related chemicals.

Serious Eye Damage/Irritation

May cause mild irritation based on information for closely related chemicals.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May be harmful May cause irritation to the respiratory tract.

Skin Absorption

Harmful.

Ingestion

Harmful.

Aspiration Hazard

Not known to be an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause harmful effects on the liver. May cause harmful effects on the kidneys. May cause lung injury.

Respiratory and/or Skin Sensitization

No information was located for respiratory sensitization. Can cause an allergic reaction (skin sensitization) based on animal tests.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Calcium carbonate	Not Listed	Not designated	Not Listed	Not Listed
Zinc oxide	Not Listed	Not designated	Not Listed	Not Listed

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Ethylene glycol	Not Listed	A4	Not Listed	Not Listed
Silica, quartz	Group 1	A2	Known carcinogen	Not Listed
Solvent-dewaxed heavy paraffinic petroleum distillate (no/mild solvent-refining or no/mild hydrotreatment)	Group 3	A4	Known carcinogen	Not Listed
Titanium dioxide	Group 2B	A4	Not Listed	Not Listed

May cause cancer.

Reproductive Toxicity

Development of Offspring

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

No information was located.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Calcium carbonate	> 10000 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour)	> 1000 mg/L (Daphnia magna (water flea); 48-hour)		> 200 mg/L (Desmodesmus subspicatus (algae); 72-hour)
Ethylene glycol	72860 mg/L (Pimephales promelas (fathead minnow); 96-hour)	> 100 mg/L (Daphnia magna (water flea); 48-hour)		6500-13000 mg/L (Pseudokirchneriella subcapitata (algae); 96-hour)
Silica, quartz	> 500 mg/L (Oncorhynchus mykiss (rainbow trout))	> 300 mg/L (Daphnia magna (water flea); 48-hour)		
Titanium dioxide	> 1000 mg/L (Pimephales promelas (fathead minnow); 96-hour)	> 50 mg/L (Daphnia magna (water flea); 48-hour)		12.7 mg/L (Pseudokirchneriella subcapitata (algae); 72-hour)

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

Special Precautions Not applicable

Transport in Bulk according to International Maritime Organization Instruments

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL. All ingredients are listed on the DSL or are not required to be listed.

CEPA - National Pollutant Release Inventory (NPRI)

(Calcium carbonate) Not specifically listed. (Water) Not specifically listed. (Zinc oxide) Not specifically listed. (Ethylene glycol) Part 1A. Not specifically listed. (Solvent-dewaxed heavy paraffinic petroleum distillate (no/mild solvent-refining or no/mild hydrotreatment)) Not specifically listed. (Titanium dioxide) Not specifically listed.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

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All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

Additional USA Regulatory Lists

EPCRA – Emergency Planning and Community Right-to-Know Act

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

Per the June 13, 2016 Federal Register notice, EPA harmonized the EPCRA 311/312 hazard categories with the 2012 OSHA hazard communication standard for classifying and labeling of chemicals (i.e. GHS). Please refer to Section 2 of the SDS to identify the appropriate hazard categories for reporting purposes.

SARA 313

The following components are subject to reporting levels established by SARA Title III, Section 313:

Ethylene glycol 107-21-1 0.5 - 1.5%

CERCLA Reportable Quantity

Ethylene glycol 107-21-1 5000

US State Regulations

Pennsylvania Right To Know

Titanium dioxide 13463-67-7 5 - 7%

Zinc oxide 1314-13-2 3 - 5%

Ethylene glycol 107-21-1 0.5 - 1.5%

Silica, quartz 14808-60-7 0.5 - 1%

New Jersey Right To Know

Calcium carbonate 1317-65-3 30 - 35%

TITANIUM DIOXIDE 13463-67-7 5 - 7%

ZINC OXIDE 1314-13-2 3 - 5%

Ethylene glycol 107-21-1 0.5 - 1.5%

SILICA, QUARTZ 14808-60-7 0.5 - 1%

Massachusetts Right To Know

None

California Prop. 65

WARNING: This product can expose you to chemicals including Titanium dioxide, Crystalline silica (quartz) and Ethylene glycol, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm.

SECTION 16. OTHER INFORMATION

SDS Prepared By SBH Seal

Phone No. 450-662-0221

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Disclaimer 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.

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