

## 1. Identification

Product Identifier: CSL® 467™ Asphalt Bleed Blocker  
 Use: Elastomeric Acrylic Primer coating.  
 Supplier: CSL Silicones Inc.  
 144 Woodlawn Road West, Guelph, ON, N1H 1B5  
 Canada  
 Supplier Phone: North America: 1.800.265.2753 Worldwide: +1 519.836.9044  
 Emergency Phone: +1 519.836.9044 Monday – Friday, 8:00 A.M. – 5:00 P.M. Eastern Time Zone, UTC-05:00  
 Emergency Contact: Baz Mistry, Laboratory Manager; Farooq Ahmed, R&D Manager

## 2. Hazards Identification

GHS Hazard Classification: Skin Irritation – Category 2 H315  
 Eye Irritation – Category 2A H319

GHS Hazard Symbols:



GHS Signal Word: Warning Warning

GHS Hazard Statements: H302 – Harmful if swallowed.  
 H315 – Causes skin irritation.  
 H320 – Causes eye irritation.  
 H335 – May cause respiratory irritation.

GHS Precautionary Statements:

Prevention: P273 – Avoid release to the environment.  
 P280 – Wear protective gloves/protective clothing/eye protection/face protection  
 Response: P305+P351+P338 – IF IN EYES: Rinse cautiously for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P321 – Specific treatment (see eye protection, protective gloves, a POISON CENTER, a doctor on this label).  
 P332+P313 – If skin irritation occurs: Get medical advice/attention.  
 P337+P313 – If eye irritation persists: Get medical advice/attention.  
 P362+P364 – Take off contaminated clothing and wash it before reuse.  
 P391 – Collect spillage.  
 Storage: P403+P233+P235 – Store in a well ventilated place. Keep container tightly closed. Keep cool.  
 Disposal: P501 – Dispose of contents/containers to waste in accordance with local/regional/national/international regulations.

Other Hazards which do not result in GHS classification: None under normal conditions.

## 3. Composition / Information on Ingredients

Chemical Name	CAS Number	Percent by Weight	GHS Classification
CSL Silicones Inc., 144 Woodlawn Road West, Guelph, ON N1H1B5 Canada North America: 1.800.265.2753 Worldwide: +1 519.836.9044			
			SDS Number: 902 CA/US
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Latex liquid, synthetic		68 - 75	Not classified
Water	7732-18-5	22 - 32	Not classified
Titanium(IV) oxide	13463-67-7	4 - 7	Carc. 2, H351
2-octyl-2H-isothiazol-3-one	26530-20-1	0.01 - 0.03	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin H314 Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247- 500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	0.01 - 0.03	Not classified

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

Full text of H-phrases: see section 16

## 4. First Aid Information

First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Allow victim to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Wash with water and soap. Rinse with water. Rinse skin with water/shower.
First-aid measures after eye contact	: Direct contact with the eyes is likely to be irritating. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	: Do not induce vomiting. Drink plenty of water. Get medical advice/attention. Rinse mouth.

### Most Important Symptoms/Effects:

Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of normal use. Irritation of the eye tissue.
Symptoms/injuries after skin contact	: May cause moderate irritation.
Symptoms/injuries after eye contact	: Irritation of the eye tissue.
Symptoms/injuries after ingestion	: No data available.
Chronic symptoms	: No effects known.

### Indication of Immediate Medical Attention and Special Treatment Needed:

Treat symptomatically.

## 5. Fire Fighting Measures

### Suitable Extinguishing Media:

No additional information available.

### Special Hazards arising from the Substance or Mixture:

Fire hazard	: Non combustible. Not flammable.
Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.

### Advice for Firefighters:



Firefighting instructions : No specific fire-fighting instructions required.

## 6. Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures:

#### For non-emergency personnel

Emergency procedures : Avoid contact with skin and eyes. Keep containers closed.

#### For emergency responders

No additional information available

### Methods and Materials for Containment and Cleaning Up:

For containment : Collect spillage.

Methods for cleaning up : Absorbed substance: shovel into synthetic drums. Collect spillage. This material and its container must be disposed of in a safe way, and as per local legislation. Take up liquid spill into absorbent material. Solid spill: shovel into drums.

### Environmental Precautions:

Avoid release to the environment.

### Reference to Other Sections:

For further information refer to section 13.

## 7. Handling and Storage

### Precautions for Safe Handling:

Precautions for safe handling : Observe normal hygiene standards. Avoid contact with skin and eyes. Do not handle until all safety precautions have been read and understood.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### Conditions for Safe Storage, Including any Incompatibilities:

Technical measures : Comply with applicable regulations.

Storage conditions : Keep container closed when not in use.

Storage temperature : 4 - 38 °C

Storage area : Keep only in the original container. Protect against frost.

Special rules on packaging : Keep only in original container. meet the legal requirements.

### Specific End Use:

No additional information available

## 8. Exposure Controls / Personal Protection

### Control Parameters:

#### CSL467 Asphalt Bleed Blocker

ACGIH	Not applicable
OSHA	Not applicable
Water (7732-18-5)	
ACGIH	Not applicable
OSHA	Not applicable
Latex, liquid, synthetic	

ACGIH	Not applicable	
OSHA	Not applicable	
Titanium(IV) oxide (13463-67-7)		
ACGIH	ACGIH TWA (mg/m³)	10 mg/m³
OSHA	Not applicable	
2-octyl-2H-isothiazol-3-one (26530-20-1)		
ACGIH	Not applicable	
OSHA	Not applicable	
Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (55965-84-9)		
ACGIH	Not applicable	
OSHA	Not applicable	

**Exposure Controls:**

Personal protective equipment

: Gloves. Respiratory protection not required in normal conditions. Safety glasses.



Eye protection

: Safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Environmental exposure controls

: Avoid release to the environment.

## 9. Physical and Chemical Properties

**Information on basic physical and chemical properties:**

Physical state	: Liquid
Appearance	: Liquid.
Colour	: light green
Odour	: characteristic
Odour threshold	: No data available
pH	: > 9.5
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: < 0 °C
Boiling point	: > 100 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 10.8 - 11.4 lb/gal
Solubility	: Water: ≈ 100 %

Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

**Other information:**

No additional information available

## 10. Stability and Reactivity

**Reactivity:**

This product is not reactive under normal conditions of use, storage and transport.

**Chemical Stability:**

No data available.

**Possibility of Hazardous Reactions:**

No dangerous reactions known under normal conditions of use.

**Conditions to Avoid:**

No additional information available.

**Incompatible Materials:**

No additional information available.

**Hazardous Decomposition Products:**

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Corrosive vapours.

## 11. Toxicological Information

**Acute Toxicity:**

Not classified

<b>Titanium(IV) oxide (13463-67-7)</b>	
LD50 oral rat	> 10000 mg/kg (Rat; OECD 425: Acute Oral Toxicity: Up-and-Down Procedure; Experimental value; > 5000 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	> 10000 mg/kg (Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	> 6.8 mg/l/4h (Rat; Experimental value)
<b>2-octyl-2H-isothiazol-3-one (26530-20-1)</b>	
LD50 oral rat	550 mg/kg (Rat; Literature study)
LD50 dermal rabbit	690 mg/kg bodyweight (Rabbit; Literature study)
ATE US (oral)	550.000 mg/kg bodyweight
ATE US (dermal)	690.000 mg/kg bodyweight
ATE US (gases)	700.000 ppmv/4h
ATE US (vapours)	3.000 mg/l/4h
ATE US (dust,mist)	0.500 mg/l/4h
<b>Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) (55965-84-9)</b>	
LD50 oral rat	53 mg/kg (Rat; Literature study)

Skin corrosion/irritation : Causes skin irritation. pH: > 9.5

Serious eye damage/irritation : Causes serious eye irritation. pH:>9.5

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

<b>Titanium(IV) oxide (13463-67-7)</b>	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential adverse human health effects and symptoms : Harmful if swallowed.

Symptoms/injuries after skin contact : May cause moderate irritation.

Symptoms/injuries after eye contact : Irritation of the eye tissue.

Symptoms/injuries after ingestion : No data available.

Chronic symptoms : No effects known.

## 12. Ecological Information

### Toxicity:

Ecology - water : Very toxic to aquatic life with long lasting effects.

<b>Titanium(IV) oxide (13463-67-7)</b>	
LC50 fish 1	> 1000 mg/l (96 h; Pimephales promelas)
EC50 Daphnia 1	< 1000 mg/l (432 h; Daphnia magna; Static system)

<b>Titanium(IV) oxide (13463-67-7)</b>	
LC50 fish 2	> 1 g/l (96 h; Leuciscus idus)
EC50 Daphnia 2	< 500 mg/l (720 h; Daphnia magna; Static system)
Threshold limit algae 1	61 mg/l (72 h; Pseudokirchneriella subcapitata)
<b>2-octyl-2H-isothiazol-3-one (26530-20-1)</b>	
LC50 fish 1	0.14 mg/l (LC50; 96 h; Pimephales promelas)
EC50 Daphnia 1	0.18 mg/l (EC50; 48 h; Daphnia magna)
LC50 fish 2	0.05 mg/l (LC50; 96 h; Oncorhynchus mykiss)
EC50 Daphnia 2	0.32 mg/l (EC50; 48 h; Daphnia magna)
Threshold limit algae 1	0.02 mg/l (EC50; 48 h; Selenastrum capricornutum)
<b>Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (55965- 84-9)</b>	
LC50 fish 1	0.28 mg/l (LC50; 96 h; Lepomis macrochirus)
EC50 Daphnia 1	0.16 mg/l (EC50; 48 h; Daphnia magna)
Threshold limit algae 1	0.018 mg/l (EC50; 72 h; Pseudokirchneriella subcapitata)

**Persistence and Degradability:**

<b>Latex,liquid,synthetic</b>	
Persistence and degradability	Biodegradability in soil: no data available.
Biochemical oxygen demand (BOD)	0.01 g O <sub>2</sub> /g substance
<b>Titanium(IV) oxide (13463-67-7)</b>	
Persistence and degradability	Biodegradability: not applicable. Low potential for mobility in soil.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
<b>2-octyl-2H-isothiazol-3-one (26530-20-1)</b>	
Persistence and degradability	Inherently biodegradable. No (test)data on mobility of the substance available. Photolysis in the air.
<b>Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) (55965- 84-9)</b>	
Persistence and degradability	No (test)data on mobility of the components available.

**Bioaccumulative Potential:**

<b>Latex,liquid,synthetic</b>	
Bioaccumulative potential	Not bioaccumulative.
<b>Titanium(IV) oxide (13463-67-7)</b>	
Bioaccumulative potential	Not bioaccumulative.
<b>2-octyl-2H-isothiazol-3-one (26530-20-1)</b>	
BCF fish 1	1280 (BCF; 67 days; Lepomis macrochirus; Flow-through system)
Log Pow	2.45 (Experimental value)
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).
<b>Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) (55965- 84-9)</b>	
Bioaccumulative potential	No test data of component(s) available.

**Mobility in Soil:**

No additional information available

**Other Adverse Effects:**

Effect on ozone layer :

Effect on the global warming : No known ecological damage caused by this product.

**13. Disposal Considerations****Disposal Methods:**

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.



## 14. Transport Information

In accordance with DOT

Transport document description : Not Regulated (Water Based Material - KEEP FROM FREEZING)

UN-No.(DOT) : Not Regulated (Water Based Material - KEEP FROM FREEZING)

### Additional information

Other information : No supplementary information available.

### ADR

No additional information available

### Transport by sea

No additional information available

### Air transport

No additional information available

## 15. Regulatory Information

### Canadian Federal Regulations

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR), and the MSDS contains all the information required by the HPR.

DSL Inventory:

All chemical substances in this material are included in or exempted from the DSL.

### US Federal Regulations

CSL 467 Asphalt Bleed Blocker		
Listed on United States SARA Section 313		
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:		
Water	CAS No 7732-18-5	22 - 32%
Latex, liquid, synthetic	CAS No	68 - 75%
Titanium(IV) oxide	CAS No 13463-67-7	4 - 7%
2-octyl-2H-isothiazol-3-one	CAS No 26530-20-1	0.01 - 0.03%
Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	CAS No 55965-84-9	0.01 - 0.03%

This product or mixture does not 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.

### US State Regulations

CSL 467 Asphalt Bleed Blocker	
U.S. - California - Proposition 65 - Carcinogens List	Yes
U.S. - California - Proposition 65 - Developmental Toxicity	No





U.S. - California - Proposition 65 - Reproductive Toxicity - Female	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No

**Other Regulations****EU-Regulations**

No additional information available

**Classification according to regulation (EC) No. 1272/2008 [CLP]****Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**

Not classified.

**16. Other Information****Full text of H-phrases:**

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
H302	Harmful if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H331	Toxic if inhaled
H351	Suspected of causing cancer
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

**HMIS III Rating**

Health : 1 Slight Hazard - Irritation or minor reversible injury possible  
Flammability : 0 Minimal Hazard  
Physical : 0 Minimal Hazard

**Other Information**

Issue Date (D/M/Y): 27/05/2020

Replaces (D/M/Y): 27/05/2020



The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information provided is designed only as guidance for safe handling, use, processing, storage, transportation, and release and is not considered a warranty or product specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

It is the responsibility of persons in receipt of this product Safety Data Sheet (SDS) to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product.

All information and instructions provided in this Safety Data Sheet are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. CSL Silicones shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

This Safety Data Sheet has been prepared in compliance with applicable Canadian and United States law. If you purchase this material outside Canada or the United States, where compliance laws may differ, you should receive from your local CSL Silicones supplier a SDS applicable to the country in which the product is sold or intended to be used. Please note that the appearance and contents of the SDS may vary, even for the same product, between different countries, reflecting the compliance requirements.