

Safety Data Sheet

Product Identifier

SECTION 1. IDENTIFICATION

Product Identifier Liquid Rubber Waterproof Sealant
Other Means of Identification S-200
Recommended Use Single component protective coating
Restrictions on Use Food Contact, Potable Water
Initial Supplier Identifier Liquid Rubber Canada Inc.
#16-1150 Eighth Line,
Oakville, ON L6H 2R4, CANADA

Emergency Telephone 1-855-451-5820 – 24 hrs a day

Alberta / Northwestern Territories (PADIS): 1-800-332-1414
British Columbia (DPIC): 1-800-567-8911
Manitoba: 1-855-7POISON (1-855-776-4766)
New Brunswick: 911
Nova Scotia / Prince Edward Island (IWK): 1-800-565-8161
Ontario (OPC): 1-800-268-9017
Québec (CAPQ): 1-800-463-5060
Saskatchewan (PADIS): 1-866-454-1212
Yukon Territory: (867) 393-8700

CANUTEC 1-888-CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone

SECTION 2. HAZARD IDENTIFICATION

Classified according to WHMIS 2022.

Classification of the substance or mixture

Skin Irrit. 2 - H315, Causes skin irritation.
Skin Sens. 1 - H317, May cause an allergic skin reaction.
Eye Irrit. 2 - H319, Causes serious eye irritation.

Signal word = **Warning**

Hazard statement(s)

Causes skin irritation. (H315)
May cause an allergic skin reaction. (H317)
Causes serious eye irritation. (H319)



Precautionary statement(s)

General

If medical advice is needed, have the product container or label at hand. (P101)
Keep out of reach of children. (P102)

Prevention

Avoid breathing mist/vapor. (P261)
Wash hands thoroughly after handling. (P264)
Wear eye protection/protective gloves/protective clothing. (P280)

Response

IF ON SKIN: Wash with plenty of water and soap. (P302+P352)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

If skin irritation or rash occurs: Get medical advice/attention. (P333+P313)

If eye irritation persists: Get medical advice/attention. (P337+P313)

Take off contaminated clothing and wash it before reuse. (P362+P364)

Disposal

Dispose of contents/container in accordance with local regulation (P501)

Hazardous substances

Rosin; colophony

Health Hazards Not Otherwise Classified (HHNOC)

Causes eye irritation.

Causes mild skin irritation.

May be harmful if swallowed.

May be harmful in contact with skin.

May be harmful if inhaled.

Repeated exposure may cause skin dryness or cracking.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration (%w/w)	Classification	Note
Asphalt Cement	8052-42-4	40 - 60%	Skin Irritation 2, H315 Eye Irritation 2, H319	19
Rosin; Colophony	8050-09-7	< 1 %	Skin Sens. 1, H317	19

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4. FIRST-AID MEASURES

General Information

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin Contact

IF ON SKIN: Wash with plenty of water and soap. Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye Contact

If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns

Not applicable.

Most important symptoms and effects, both acute and delayed.

Sensitization: This product contains substances which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

Indication of any immediate medical attention and special treatment needed

If eye irritation persists: Get medical advice/attention.

Information to medics

Bring this safety data sheet or the label of this product.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist. Unsuitable extinguishing media: Waterjets should not be used since they can spread the fire.

Special hazards arising from the substance or mixture.

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact a poison center in order to obtain further advice. See section 1 "Emergency telephone number".

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.
Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill.

Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

Reference to other sections

See section 13 "Disposal considerations" on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material

Always store in containers of the same material as the original container.
Storage conditions 10-30°C

Incompatible materials

Strong acids
Strong bases
Strong oxidizing agents

Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

ALBERTA

Asphalt Cement

Long term exposure limit (8 hours) (mg/m³): 5 Annotations:

3 = Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.

Potassium Hydroxide; caustic potash

Short term exposure limit (15 minutes) (mg/m³): (c) 2 Annotations:

3 = Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.

Sodium Hydroxide; caustic soda

Short term exposure limit (15 minutes) (mg/m³): (c) 2 Annotations:

3 = Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.

Occupational Health and Safety Code 2009 Order, Alta Reg 87/2009 (revised in 2018)

BRITISH COLUMBIA

Asphalt Cement

Time-Weighted Average Limit (TWA): 0.5 mg/m³

Potassium Hydroxide; caustic potash

Short-Term Exposure Limit (STEL) / Ceiling Limit (C): C 2 mg/m³ rosin; colophony

Time-Weighted Average Limit (TWA): 0,001 mg/m³ Annotations:

S(D) = The substance has the potential to produce sensitization by dermal route. S(R) = The substance has the potential to produce sensitization by respiratory route.

Sodium Hydroxide; caustic soda

Short-Term Exposure Limit (STEL) / Ceiling Limit (C): C 2 mg/m³ OHS Regulation Part 5: Chemical Agents and Biological Agents.

ONTARIO

Asphalt Cement

Time-Weighted Average Limit (TWA): 0.5 mg/m³

Annotations:

(I) = Inhalable fraction.

potassium hydroxide; caustic potash

Short-Term Exposure Limit (STEL) / Ceiling Limit (C): C 2 mg/m³

sodium hydroxide; caustic soda

Short-Term Exposure Limit (STEL) / Ceiling Limit (C): C 2 mg/m³

Regulation 833 (Control of Exposure to Biological or Chemical Agents) and Ontario Regulation 490/09 (Designated Substances)

QUEBEC

Asphalt Cement

Long term exposure limit (8 hours) (mg/m³): 5

potassium hydroxide; caustic potash

Annotations:

EM = Exposure must be reduced to a minimum in accordance with section 42.

RP = A substance which may not be recirculated in accordance with section 108.

sodium hydroxide; caustic soda

Annotations:

RP = A substance which may not be recirculated in accordance with section 108. Regulation respecting occupational health and safety (Chapter S-2.1, r. 13)

SASKATCHEWAN

Asphalt Cement

Long term exposure limit (8 hours) (mg/m³): 0.5 Short term exposure limit (15 minutes) (mg/m³): 1.5

potassium hydroxide; caustic potash

STEV/Ceiling (mg/m³): 2

sodium hydroxide; caustic soda STEV/Ceiling (mg/m³): 2

The Occupational Health and Safety Regulations, 2020, Chapter S15.1 Reg 10.

Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

The formation of vapors must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Apply standard precautions during use of the product. Avoid inhalation of mist/vapor.

Hygiene measures

Take off contaminated clothing and wash it before reuse.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally

Use only protective equipment with a recognized certification mark, e.g. the UL mark.

Respiratory Equipment

Type	Class	Colour	Standards
No specific requirements			

Skin protection

Recommended	Type/Category	Standards	
Wear appropriate protection-clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.		-	

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	0,56	> 240	EN374-2, EN374-3, EN388	

Eye Protection

Type	Standards	
Safety glasses with side EN166 shields. Chemical resistant goggles, Face Shields		

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Colour	Deep brown, Black
Odour	Slight Petroleum Odour
Odour threshold (ppm)	N/A
pH	10
Density (g/cm ³)	-
Relative density	Water (20 °C)
Kinematic viscosity	12000 - 20000 (Brookfield) poise cm ³ /g
Particle characteristics	Not applicable - product is a liquid Phase changes
Melting point (°C)	No data available
Softening point/range (°F)	Does not apply to liquids.
Boiling point (°C)	100
Vapour pressure	1 mmHg (20 °C)
Relative vapour density	1.01
Decomposition temperature (°C)	Not applicable

Flash point (°C)	100
Flammability (°C)	Not applicable
Auto-ignition temperature (°C)	Not applicable
Explosion limits (% v/v)	Not applicable
Solubility in water	Completely soluble (Completely miscible)
n-octanol/water coefficient (LogKow)	No relevant or available data due to the nature of the product.
Solubility in fat (g/L)	No relevant or available data due to the nature of the product.
Evaporation rate (n-butylacetate = 100)	Water
Other physical and chemical parameters	No data available.
Oxidizing properties	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

The product is stable under the conditions noted in section 7 "Handling and storage".

Possibility of hazardous reactions

None known.

Conditions to avoid

High temperatures, sources of heat, ignition, or open flame. Frost

Incompatible materials

Strong acids
Strong bases
Strong oxidizing agents

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Product/substance	Liquid Rubber Waterproof Sealant
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	5000 mg/kg

Skin corrosion/irritation

Product/substance	Liquid Rubber Waterproof Sealant
Result:	Adverse effect observed (Slightly irritating)

Causes skin irritation.

Serious eye damage/irritation

Product/substance	Liquid Rubber Waterproof Sealant
Result:	Adverse effect observed (Slightly irritating)

Causes serious eye irritation.

Respiratory sensitization

Product/substance Liquid Rubber Waterproof Sealant
Result: No adverse effect observed (not sensitizing)

Skin sensitization

Product/substance Liquid Rubber Waterproof Sealant
Result: No adverse effect observed (not sensitizing)

Germ cell mutagenicity

Product/substance Liquid Rubber Waterproof Sealant
Description: Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance Liquid Rubber Waterproof Sealant
Result: Based on available data, the classification criteria are not met.

Reproductive toxicity

Product/substance Liquid Rubber Waterproof Sealant
Result: Based on available data, the classification criteria are not met.

STOT-single exposure

Product/substance Liquid Rubber Waterproof Sealant
Result: Based on available data, the classification criteria are not met.

STOT-repeated exposure

Product/substance Liquid Rubber Waterproof Sealant
Result: Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance Liquid Rubber Waterproof Sealant
Conclusion: Aspiration hazard not applicable

Long term effects

Irritation effects: This product contains substances which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Other information

Asphalt Cement has been classified by IARC as a group 2B carcinogen.

SECTION 12. ECOLOGICAL INFORMATION

Keep out of drainage areas, sewers, streams, rivers, ponds, lakes, and other bodies of water. Report spills under required Federal, Provincial, State, and Local regulations.

Toxicity

Product/substance Liquid Rubber Waterproof Sealant
Result: Marine Pollutant

Persistence and degradability

Product/substance Liquid Rubber Waterproof Sealant
Conclusion: Not biodegradable

Bioaccumulative potential

Product/substance Liquid Rubber Waterproof Sealant
Conclusion: Bioaccumulation is not expected

Mobility in soil No data available.

Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

Other adverse effects None known.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods	None of the components are listed
Contaminated packing	Packaging containing residues of the product must be disposed of similarly to the product.
Disposal Methods:	Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction. Recycle and reuse product, if possible. The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user.
Waste disposal:	Follow federal, provincial and local regulations regarding disposal including disposing of empty recycle containers through an approved waste management facility.

SECTION 14. TRANSPORT INFORMATION

	UN / ID	UN proper shipping name	Hazard class(es)	PG*	Env**
TDG	-	This product is not regulated		-	No
IMDG	-	This product is not regulated		-	No
IATA	-	This product is not regulated		-	No

* Packing group

** Environmental hazards Additional information

Not dangerous goods according to ADR, IATA and IMDG.

TDG / See Schedule 1 for any information on special provisions, requirements, or warnings in connection with transport. See part 3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Canadian lists

NDSL

None of the components are listed

DSL

Liquid Rubber Waterproof Sealant is listed

Restrictions for application

No special.

Demands for specific education No specific requirements.

Additional information

Not applicable.

Chemical safety assessment

No

Sources

Hazardous Products Regulations (SOR/2022-272)

SECTION 16. OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ANSI = American National Standards Institute ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

DSL = Domestic Substances List

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

HHNOC = Health Hazards Not Otherwise Classified

IARC = International Agency for Research on Cancer

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

NDSL = Non-domestic substances list

OECD = Organization for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PHNOC = Physical Hazards Not Otherwise Classified

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

SCL = A specific concentration limit.

SOR = Statutory Orders and Regulations

STEL = Short-term exposure limits

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TDG = Transportation of Dangerous Goods

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