

Safety Data Sheet

Product Identifier

SECTION 1. IDENTIFICATION

Product Identifier Liquid Rubber Driveway Restore
Other Means of Identification None
Recommended Use Single component protective coating
Restrictions on Use Manufacture of food products
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

In an emergency call 911
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 (CAPO): 1-800-463-5060
Saskatchewan (PADIS): 1-866-454-1212
Yukon Territory: (867) 393-8700
See also section 4 "First aid measures".

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.

Label elements

Hazard pictogram(s)



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 product container or label at hand. (P101)
Keep out of reach of children. (P102)

Prevention

Avoid breathing mist/vapour. (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)

Storage

-

Disposal

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

Hazardous substances

rosin; colophony
 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Health Hazards Not Otherwise Classified (HHNOC)

Causes eye irritation
 Causes mild skin irritation
 May be harmful if swallowed
 May be harmful if inhaled
 Repeated exposure may cause skin dryness or cracking.

Additional labelling

Not applicable.

Other hazards

None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS
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Chemical Name	CAS No.	Concentration (%w/w)	Classification	Note
Asphalt Cement	8052-42-4	25-40%	Skin Irrit. 2, H315 Eye Irrit. 2, H319	19
rosin; colophony	8050-09-7	<1%	Skin Sens. 1, H317	n/a
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one	2634-33-5	<0.05%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318	n/a

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 from 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 centre 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

Keep only in original packaging.

Storage conditions

10-30°C
Dry, cool and well ventilated

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.

Nepheline syenite

Time-Weighted Average Limit (TWA): 10 mg/m³

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 vapours 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.

Ensure that eyewash stations and safety showers are located within easy reach.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

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	Color	Standards
Respiratory protection is not needed in the event of adequate ventilation.			

Skin Protection

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



Hand Protection

Material	Glove thickness(mm)	Breakthrough time	Standards
Nitrile	0.56	>240 mins	EN374-2, EN374-3 EN388



Eye Protection

Type	Standards
Safety glasses with side shields	EN ISO 16321-1
Safety glasses with side shields	EN166
Face shield	EN ISO 16321-1
Face shield	EN166



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Colour	Deep brown (Wet), Black (Dry)
Odour	Slight Petroleum Odour
Odour threshold (ppm)	No data available
pH	10
Density (g/cm ³)	No data available
Relative density	No data available
Kinematic viscosity	12000-20000 poise cm ³ /g
Particle characteristics	No data available
Phase changes	
Melting point (°C)	No data available
Softening point/range (°F)	Does not apply to liquids.
Boiling point (°C)	100
Vapour pressure	17 mmHg (20 °C)
Relative vapour density	No data available
Decomposition temperature (°C)	No data available
Data on fire and explosion hazards	
Flash point (°C)	No data available
Flammability (°C)	No data available

Auto-ignition temperature (°C)	No data available
Explosion limits (% v/v)	No data available
Solubility	
Solubility in water	Completely soluble
n-octanol/water coefficient (LogKow)	No data available
Solubility in fat (g/L)	No data available
Other information	
Sensitivity to shock	No
Evaporation rate (n-butylacetate = 100)	Water
Other physical and chemical parameters	No data available.
Oxidizing properties	No data available

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

Extremes of temperature

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 Driveway Restore

Other information:

There is no data available.

Skin corrosion/irritation

Product/substance

Liquid Rubber Driveway Restore

Result:

Adverse effect observed (Slightly irritating)

Causes skin irritation.

Serious eye damage/irritation

Product/substance

Liquid Rubber Driveway Restore

Result:

Adverse effect observed (Slightly irritating)

Causes serious eye irritation.

Respiratory sensitization

Product/substance
Other information:

Liquid Rubber Driveway Restore
There is no data available.

Skin sensitization

Product/substance
Other information:

Liquid Rubber Driveway Restore
There is no data available.

Germ cell mutagenicity

Product/substance
Other information:

Liquid Rubber Driveway Restore
There is no data available.

Carcinogenicity

Product/substance
Other information:

Liquid Rubber Driveway Restore
There is no data available.

Reproductive toxicity

Product/substance
Other information:

Liquid Rubber Driveway Restore
There is no data available.

STOT-single exposure

Product/substance
Other information:

Liquid Rubber Driveway Restore
There is no data available.

STOT-repeated exposure

Product/substance
Other information:

Liquid Rubber Driveway Restore
There is no data available.

Aspiration hazard

Product/substance
Other information:

Liquid Rubber Driveway Restore
There is no data available.

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**Toxicity**

Product/substance
Other information:

Liquid Rubber Driveway Restore
There is no data available.

Persistence and degradability

Product/substance
Conclusion:
Other information:

Liquid Rubber Driveway Restore
-
There is no data available.

Bioaccumulative potential

Product/substance
Conclusion:
Other information:

Liquid Rubber Driveway Restore
-
There is no data available.

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

Specific labelling**Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

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 Driveway Restore 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

H302, Harmful if swallowed.

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H318, Causes serious eye damage.

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 = Organisation 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

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound v

PvB = Very Persistent and Very Bioaccumulative

WHIMS = Workplace Hazardous Materials Information System

Additional information

Not applicable.

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