

Safety Data Sheet

Product Identifier

SECTION 1. IDENTIFICATION

Product Identifier Liquid Rubber Concrete Etch (granular base)
Other Means of Identification Sodium Bisulphate Anhydrous
Recommended Use This material is intended to be used as a preparation product for concrete coating.
Restrictions on Use None known
Initial Supplier Identifier Liquid Rubber Canada Inc.
#16-1150 Eighth Line, Unit 16,
Oakville, Ontario 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

Eye Dam. 1; H318, Causes serious eye damage.

Label elements

Hazard pictogram(s)

Signal word = **Danger**



Hazard statement(s)

Causes serious eye damage. (H318)

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

Wear eye protection/protective gloves/protective clothing. (P280)

Response

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

Continue rinsing. (P305+P351+P338)

Immediately call a POISON CENTER/doctor. (P310)

Hazardous substances
Sodium Hydrogensulphate

Health Hazards Not Otherwise Classified (HHNOC)

Causes eye irritation
Causes mild skin irritation
Corrosive to the respiratory tract.
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.

Additional labelling

Not applicable.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration (%w/w)	Classification	Notes
Sodium Hydrogensulfate (Granular)	7681-38-1	90-100%	Corrosive to the respiratory tract Eye Dam. 1, H318 Repeated exposure may cause skin dryness or cracking	N/A

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

SECTION 4. FIRST-AID MEASURES

Description of 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

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact

If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and 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

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

Indication of any immediate medical attention and special treatment needed

IF exposed or concerned: Get immediate 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

Limit spillage, sweep up and shovel into appropriate containers for disposal. Store in suitable, closed containers for disposal. 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**

Avoid direct contact with the product.

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**Recommended storage material**

Keep only in original packaging.

Storage conditions 10-30°C
 Dry, cool and well ventilated
 Protect from moisture.

Incompatible materials

Water Acids, bases, oxidizing agents such as nitrates, chlorates, peroxides.

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

No substances are listed in any provincial list of substances with an occupational exposure limit.

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

Apply standard precautions during use of the product. Avoid inhalation of gas or dust. Airborne gas and dust concentrations 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 emergency eyewash and showers are clearly marked. Ensure that eyewash stations and safety showers are located within easy reach.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

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.			
R	P3	White	EN 143



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

Appearance	spherical shape beads
Odour	Fresh to pungent
Color	White
Odour Threshold	Not Available
pH in solution	<1 [Conc. (% w/w): 5%]
Melting Point and Freezing Point	177°C (350.6°F)
Initial Boiling Point and Boiling Range	Not Available
Flash Point	Not Available
Evaporation Rate	Not Available
Flammability (solid, gas)	Not Available
Upper and Lower Flammability or Explosive Limit	Not Available
Vapour Pressure	Not Available
Vapour Density (air = 1)	Not Available
Relative Density (water = 1)	1.28
Solubility in Water	Completely Soluble
Solubility in Other Liquids	Not Available
Partition Coefficient, n-Octanol / Water (Log Kow)	Not Available
Auto-ignition Temperature	n/a, non-flammable
Decomposition Temperature	n/a, non-flammable
Viscosity	Not Available
Molecular weight	120

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

Moisture

Water

Water mist

Generation of dust

Incompatible materials

Acids, bases, oxidizing agents such as nitrates, chlorates, peroxides.

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 Concrete Etch
Species: Rat
Route of exposure: Oral
Test: LD50
Result: 2800 mg/kg

Product/substance: Sodium Hydrogensulphate
Species: Rat
Route of exposure: Oral
Test: LD50
Result: 2800 mg/kg

Skin corrosion/irritation

Product/substance: Liquid Rubber Concrete Etch
Description: There is no data available

Product/substance: Sodium Hydrogensulphate
Description: Prolonged exposure may cause skin irritation
Result: Adverse effect observed (Causes serious eye damage)

Serious eye damage/irritation

Product/substance: Liquid Rubber Concrete Etch
Result: Adverse effect observed (Causes serious eye damage)

Product/substance: Sodium Hydrogensulphate
Result: Adverse effect observed (Causes serious eye damage)
Causes serious eye damage.

Respiratory sensitization

Product/substance: Liquid Rubber Concrete Etch
Description: There is no data available

Product/substance: Sodium Hydrogensulphate
Description: Based on available data, the classification criteria are not met.
Result: No adverse effect observed (not sensitizing)

Skin sensitization

Product/substance: Liquid Rubber Concrete Etch
Description: There is no data available

Product/substance: Sodium Hydrogensulphate
Description: Based on available data, the classification criteria are not met.
Result: No adverse effect observed (not sensitizing)

Germ cell mutagenicity

Product/substance: Liquid Rubber Concrete Etch
Description: There is no data available

Product/substance: Sodium Hydrogensulphate
Description: Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance: Liquid Rubber Concrete Etch
Result: There is no data available

Product/substance: Sodium Hydrogensulphate
Result: Based on available data, the classification criteria are not met.

Reproductive toxicity

Product/substance: Liquid Rubber Concrete Etch
Result: There is no data available

Product/substance: Sodium Hydrogensulphate
Result: Based on available data, the classification criteria are not met.

STOT-single exposure

Product/substance: Liquid Rubber Concrete Etch
Result: There is no data available

Product/substance: Sodium Hydrogensulphate
Result: Based on available data, the classification criteria are not met.

STOT-repeated exposure

Product/substance: Liquid Rubber Concrete Etch
Result: There is no data available

Product/substance: Sodium Hydrogensulphate
Result: Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance: Liquid Rubber Concrete Etch
Conclusion: Aspiration hazard not applicable

Product/substance: Sodium Hydrogensulphate
Conclusion: Aspiration hazard not applicable

Long term effects

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

Other information

None known.

SECTION 12. ECOLOGICAL INFORMATION (section heading must appear; all content is optional)**Toxicity**

Product/substance: Liquid Rubber Concrete Etch
Result: There is no data available

Product/substance: Sodium Hydrogensulphate
Result: There is no data available.

Persistence and degradability

Product/substance: Liquid Rubber Concrete Etch
Result: There is no data available

Conclusion: -

Product/substance: Sodium Hydrogensulphate
Result: There is no data available.
Conclusion: -

Bioaccumulative potential

Product/substance: Liquid Rubber Concrete Etch
Conclusion: There is no data available.

Product/substance: Sodium Hydrogensulphate
Conclusion: 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 (section heading must appear; all content is optional)

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 (section heading must appear; all content is optional)

	UN	UN proper shipping name	Hazard Classes	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 (*section heading must appear; all content is optional*)

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

Canadian lists

NDSL None of the components are listed

DSL Liquid Rubber Concrete Etch 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

Corrosive to the respiratory tract, Corrosive to the respiratory tract.

H318, Causes serious eye damage.

Repeated exposure may cause skin dryness or cracking, Repeated exposure may cause skin dryness or cracking.

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

vPvB = Very Persistent and Very Bioaccumulative

WHIMS = Workplace Hazardous Materials Information System

Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by WHMIS 2022.

Date of latest revision – January 1st, 2025

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