

Safety Data Sheet

Product Identifier

SECTION 1. IDENTIFICATION

Product Identifier Liquid Rubber Driveway Restore
 Other Means of Identification S-400
 Recommended Use Single component protective coating for Asphalt Driveways
 Restrictions on Use None known
 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
 CANUTEC 1-888-CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular **phone**

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Classification

Acute toxicity (Inhalation) Category 4
 Skin Irritation Category 3
 Eye Irritation Category 2B
 Carcinogenicity Category 2

Label Elements

Signal Word – WARNING



Harmful if swallowed
 Harmful in contact with skin
 Harmful if inhaled
 Causes mild skin irritation
 Causes mild eye irritation
 Use proper engineering controls, work practices, and personal protective equipment.



Other Hazards

None

Chemical Name	CAS No.	Concentration (%w/w)	Common Name / Synonyms	Other Identifiers
Bitumen Emulsion	8052-42-4	40-70%	Asphalt cement	n/a
Water	7732-18-5	20-40%	n/a	n/a
Complex blend of Dispersed polymers	9003-55-8 9010-98-4	5-25%	Polychloroprene, styrene-butadiene emulsions	n/a
Nepheline Syenite	37244-96-5	25-35%	White Lightning	n/a

SECTION 4. FIRST-AID MEASURES

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Apply oxygen. Get medical advice/attention if you feel unwell.

Skin Contact: This is an alkaline product. If splashed on the skin immediately wash thoroughly with fresh water. If the product has dried on the skin massage the area with medical grade mineral oil, baby oil or

Eye Contact: edible oil, then wash with soap and water. If irritation persists seek medical attention
 Ingestion: Flush thoroughly with fresh water for at least ten minutes. Seek medical attention
 DO NOT INDUCE VOMITING. Seek medical attention, rinse mouth with water.

Most Important Symptoms and Effects, Acute and Delayed:

Symptoms/injuries after inhalation May cause respiratory tract irritation.

Symptoms/injuries after skin contact May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact May cause eye abrasive injury. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion May be harmful if swallowed. May cause stomach distress, nausea or vomiting. If large quantities are swallowed seek medical attention.

Immediate Medical Attention and Special Treatment: Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media:
 Suitable Extinguishing Media: Carbon Dioxide, dry chemical powder, appropriate foam, water spray or fog, non-combustible material such as dry sand or earth.

Unsuitable Extinguishing Media: None known.

Specific Hazards Arising from the Product: Fire may release toxic combustion products such as smoke, fume, CO, CO₂, and SO₂.

Special Protective Equipment and Precautions for Fire-Fighters: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures	Take proper precautions to ensure your own health and safety before attempting spill control or cleanup. Isolate the area of the spill and restrict access. Wear adequate protective equipment as described in Section 8. Waste disposal method: Follow federal, provincial and local regulations regarding disposal.
Methods for Containment and Cleaning Up	For containment, soak up with inert absorbent material, remove with shovels and place spilled material into a container. Transfer liquids and solid material to suitable containers for recovery or disposal. Do not allow spills and cleaning runoff to enter drains, sewers, groundwater, drainage ditches or surface waters.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling Avoid contact with skin and eyes. Avoid breathing dust, fume, gas, mist, vapours, or spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

When mechanically removing Avoid creating dust if possible, use dustless methods to remove and collect (HEPA vacuum/filters).

Conditions for Safe Storage Store within the temperature range 10-50C. Keep out of reach of children. Keep container tightly closed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls:	Use adequate ventilation to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection:	Wear suitable gloves.
Eye Protection:	Chemical goggles or safety glasses with side shields.
Skin and body protection:	Wear suitable protective clothing.
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If mechanically removing , use dustless methods (HEPA vacuum) and wear appropriate respiratory equipment. Maintain levels below Community environmental protection thresholds.
Other information:	Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

Component	ACGIH TLV® TWA (mg/m ³)	ACGIH TLV® STEL (mg/m ³)	OSHA PEL TWA (mg/m ³)
Bitumen Emulsion (as fume)	0.5		Not Established

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown textured liquid, slight resinous odour.
Odour	Very mild
Odour Threshold	n/a
PH of sand	6-8
Ph of liquid component	10
Melting Point and Freezing Point	0° C
Initial Boiling Point and Boiling Range	100 ^{to} C
Flash Point	n/a
Evaporation Rate	water
Flammability (solid, gas)	n/a, non-flammable aggregate is fully oxidized, will not burn.
Upper and Lower Flammability or Explosive Limit	n/a
Vapour Pressure	17 mm Hg @20°C (water)
Vapour Density (air = 1)	>1
Specific gravity of sand (water = 1)	2.61
Relative Density (water = 1)	1.03
Solubility in Water (sand)	Insoluble
Solubility in Water (liquid)	Completely miscible (except for aggregate)
Solubility in Other Liquids	Miscible with most water compatible liquids and solutions
Partition Coefficient, n-Octanol / Water (Log Kow)	n/a
Auto-ignition Temperature	n/a, non-flammable
Decomposition Temperature	n/a, non-flammable
Viscosity	12000-20000 CPs (Brookfield)

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	Non-reactive under normal conditions of use
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	No dangerous reaction known under conditions of normal use.
Conditions to Avoid:	High temperatures, sources of heat, ignition, or open flame. Avoid generating dust in manufacturing and removal/disposal processes.
Incompatible Materials:	Incompatible with certain strong acids or bases, and oxidizing agents
Hazardous Decomposition Products:	If the dry cured product is heated above 200C, may liberate carbon monoxide, carbon dioxide, hydrogen sulfide, trace oxides of sulfur and nitrogen, various hydrocarbons, smoke, vapours, fumes.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, Skin contact, Eye contact, Ingestion

Acute toxicity: Not classified

Component	CAS Number	LD50 (rat, oral)	LC50 (rat, inhalation)	LD50 (rabbit, dermal)
Nepheline Syenite	37244-96-5	N/A	N/A	N/A
Bitumen Emulsion (as fume)	8052-42-4	>5000 mg/kg	N/A	>2000 mg/kg

Bitumen emulsion:

Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitization:	Based on available data, the classification criteria are not met.
Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure):	Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure):	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation:	May cause respiratory tract irritation.
Symptoms/injuries after skin contact:	May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/injuries after eye contact:	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/injuries after ingestion:	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Nepheline Syenite

Skin corrosion/irritation:	No adverse effects are expected.
Serious eye damage/irritation:	Particulates may cause abrasive injury.
Specific organ toxicity/single exposure:	See Below
Specific organ toxicity/repeated exposure:	See Below

Respiratory and/or skin sensitization;

Inhalation: Inhalation of dust may cause respiratory tract irritation. Symptoms of exposure may include cough, sore throat, nasal congestion, sneezing, wheezing, and shortness of breath. However, there may be no immediate signs or

symptoms of exposure to hazardous concentrations of respirable crystalline silica (quartz). See "Inhalation" subsection above for symptoms of silicosis. The absence of symptoms is not necessarily indicative of safe conditions. Ingestion: Ingestion is an unlikely route of exposure. If dust is swallowed, it may irritate the mouth and throat.

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.

Ecotoxicity:	Marine pollutant.
Persistence and Degradability:	Not expected to be readily degradable.
Bio accumulative Potential:	Not known to bioaccumulate.
Mobility in Soil:	Studies are not available.
Other Adverse Effects:	Studies are not available.

SECTION 13. DISPOSAL CONSIDERATIONS

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

Regulation	UN No.	Proper Shipping Name	Technical Name (for N.O.S. entry)	Transport Hazard Class(es)	Packing Group
Not regulated	n/a				

Special Precautions:	Not classified as dangerous in the meaning of transport regulations.
Environmental Hazards:	n/a
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:	Not regulated

SECTION 15. REGULATORY INFORMATION

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

California Proposition 65: This product and/or its components are not listed in California's Proposition 65.

WHMIS: Not regulated

SECTION 16. OTHER INFORMATION

Date of Latest Revision June 14, 2024

Liquid Rubber Canada Inc. believes the information contained herein is accurate; however, Liquid Rubber Canada Inc. makes no guarantees with respect to such accuracy and assumes no liability in connection with the use of the information contained

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