

Safety Data Sheet

Product Identifier

SECTION 1. IDENTIFICATION

Product Identifier Liquid Rubber Waterproof Sealant S-200
 Other Means of Identification Liquid Rubber Waterproof Sealant
 Recommended Use Single component protective coating
 Restrictions on Use None known
 Initial Supplier Identifier Liquid Rubber Canada Inc.
 #16-1150 Eighth Line, Oakville, ON L6H 2R4, CANADA
 Emergency Telephone CANUTEC 1-888-CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular **phone**

SECTION 2. HAZARD IDENTIFICATION

Classification None, not regulated
 Label Elements None, not regulated
 Other Hazards None, not regulated
 Unknown acute toxicity (GHS) N/A

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration (%w/w)	Common Name / Synonyms	Other Identifiers
Bitumen Emulsion	8052-42-4	40-70	Asphalt cement	n/a
Anionic surfactants	143-18-0	0.5-2.0	Emulsifiers	n/a
Water	7732-18-5	20-50	n/a	n/a
Complex blend of Dispersed polymers	9003-55-8 9010-98-4	5-25	Polychloroprene, styrene-butadiene emulsions	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. 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 edible oil, then wash with soap and water. If irritation persists seek medical attention
 Eye Contact: Flush thoroughly with fresh water for at least ten minutes. Seek medical attention
 Ingestion: DO NOT INDUCE VOMITING. Seek medical attention.

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 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.

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, CO ₂ , and SO ₂ .
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 appropriate 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.
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 ventilation adequate 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.
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.
Environmental exposure controls:	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 liquid, slight resinous odour.
Odour	Very mild
Odour Threshold	n/a
pH	10-13
Melting Point and Freezing Point	N/A - 0°C
Initial Boiling Point and Boiling Range	100°C
Flash Point	n/a
Evaporation Rate	water
Flammability (solid, gas)	n/a, non-flammable
Upper and Lower Flammability or Explosive Limit	n/a
Vapour Pressure	17 mm Hg @20°C (water)
Vapour Density (air = 1)	>1
Relative Density (water = 1)	1.03
Solubility in Water	Completely miscible
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.
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)
Bitumen Emulsion (as fume)	8052-42-4	>5000 mg/kg	N/A	>2000 mg/kg

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.

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.
Bioaccumulative 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

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