

SAFETY DATA SHEET



SECTION 1

IDENTIFICATION

Product Code: LR-WS

Product Trade Name: Waterproof Sealant

Product Class / Intended End Use: Commercial/Industrial Architectural Coating

Emergency Telephone Numbers: For Emergency Transportation Information call Liquid Rubber NZ Ltd - 0508 SEAL IT (732 548) or Emergency Services - 111

Manufacturer: Cantech Research Inc.
115b Ellwood Road, Hastings, Hawkes Bay, New Zealand

NZ Supplier: Liquid Rubber NZ Ltd
www.liquidrubber.co.nz

SECTION 2

HAZARDS IDENTIFICATION

GHS - Classification:

Eye Damage/Irritation 2B

Skin Corrosion/Irritation 3

Signal Word: WARNING

GHS - Hazard Pictogram(s):

Under GHS requirements, a pictogram is not indicated.

GHS - Hazard Statement(s):

- Causes eye irritation
- Causes mild skin irritation

GHS - Precautionary Statement(s) - Prevention

- Wash hands, face and any contacted skin thoroughly after handling.

GHS - Precautionary Statement(s) - Response

- **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **If eye irritation persists:** Get medical advice/attention.
- **If skin irritation occurs:** Get medical attention.

Hazards not Otherwise Classified:

- May release toxic hydrogen sulfide gas that could accumulate at toxic concentrations inside containers of heated asphalt containing materials above 400°C.

SECTION 3

COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Component	CAS Number	Weight %
Asphalt	8052-42-4	47.60
Gum Rosin	8050-09-7	1.19

SECTION 4

FIRST-AID MEASURES

General Advice: Remove from exposure, lie down.
Take off all contaminated clothing immediately.
When symptoms persist or in all cases of doubt seek medical advice.
Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air.
If breathing is irregular or stopped, administer artificial respiration.
Seek medical attention immediately.

Skin Contact: Take off all contaminated clothing immediately.
Wash off with soap and water but do not attempt to remove asphalt that adheres to skin before obtaining medical assistance.
Wash contaminated clothing before re-use.
If symptoms persist, seek medical attention immediately.

Eye Contact: Remove contact lenses.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If eye irritation persists, seek medical attention.

Ingestion: Do NOT induce vomiting.
Seek medical attention immediately.
Clean mouth with water and drink afterwards plenty of water.
If a person vomits when lying on his back, place him in the recovery position.

CALL A POISON CENTRE OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.

Most Important Symptoms and Effects (both acute and delayed):

- May cause skin irritation.
- May cause eye irritation.

Indication of any Immediate Medical Attention and Special Treatment Needed:

- Treat symptomatically.

SECTION 5

FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Not flammable or combustible in delivery form.
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media: Do not use a solid water stream as it may spread and scatter materials in combination.

Hazardous Combustion Products: Thermal decomposition (burning) may release irritating, corrosive and/or toxic gases, vapours and fumes.

Special Protective Equipment and Precautions for Fire Fighters: Keep unnecessary people away, isolate hazard area and deny entry.
Fight fire for other material that is burning.
Avoid contact with this material during firefighting operations.
Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Isolate area.

Avoid breathing vapours or mists.

Keep unnecessary and unprotected personnel from entering the area.

Spilled material may cause a slipping hazard on some surfaces.

Use appropriate safety equipment.

Ensure adequate ventilation.

For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Refer to Section 7, Handling, for additional precautionary measures.

Carefully contain and stop the source of the spill if safe to do so.

Protect bodies of water by diking, absorbents, or absorbent boom, if possible.

Authorities should be notified if reportable quantity release occurs.

Environmental Precautions: Do not let product enter drains or other waterways.

Methods and Materials for Containment and Clean Up: Deluge spills with a 10% salt or brine solution to solidify solids.

Soak up exuded liquids with inert absorbent material and collect in ventilated waste container for disposal.

Scrape any solids from area and dispose according to local regulations.

See Section 13, Disposal considerations, for additional information.

SECTION 7

HANDLING AND STORAGE

Precautions for Safe Handling: Use only in well-ventilated areas.

Avoid contact with skin and eyes.

Avoid formation of dusts and aerosols.

Do not smoke near areas where material is handled or stored.

The product should only be used in areas where electrical classification meets the product rating for this product, i.e. intrinsically safe.

Avoid contact with eyes, skin, and clothing.

Do not swallow.

Protect exposed skin with a barrier cream or light mineral oil (usp).

Wash thoroughly after handling.

See Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Conditions for Safe Storage Including any Incompatibles: Store in a dry place.

Keep container tightly closed.

Keep separated from incompatible substances (see below or Section 10 of the Safety Data Sheet).

Incompatibles/Materials to Avoid: Data not available.

SECTION 8:

EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	ACGIH TLV		OSHA PEL	
	TWA	STEL	PEL	STEL
Asphalt	0.5 mg/m ³	N/A	N/A	N/A
Gum Rosin	0.1 mg/m ³	N/A	N/A	N/A
N/A = Not Available N/E = Not Established				

Appropriate Engineering Controls: Where available emergency eye wash stations and safety showers are recommended in the immediate vicinity of use or handling.

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines.

If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations.

Personal Protective Equipment

Respiratory Protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines.

If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

Eye/Face Protection: Safety glasses equipped with side shields are recommended as minimum protection in industrial settings.

Where available an eye wash station is recommended immediately available to the work area.

Hand Protection: Use gloves constructed of chemical resistant materials such as nitrile rubber if frequent or prolonged contact is expected.

Protect exposed skin with a barrier cream or light mineral oil (usp).

Wash and dry hands after use.

Skin/Body Protection: Protect exposed skin with a barrier cream or light mineral oil (usp).

Where available wear protective clothing such as disposable coveralls.

Hygiene Measures: Use good personal hygiene practices.

Wash hands before eating, drinking, smoking, or using toilet facilities.

DO NOT use gasoline, kerosene, solvents, or harsh abrasive skin cleaners to clean skin.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Autoignition Temperature Not Applicable

Boiling Point: >100 °C / > 212 °F

Decomposition Temperature: Data not Available

Explosion Limit Not Applicable

Flammability (solid, gas): Non Flammable

Flash Point (Setaflash Closed Cup): Not Applicable

Freezing Point: <0 °C / <32 °F

Melting Point: Data not Available

Odour Threshold: Data not Available

Odour: Slight Aromatic

Partition Coefficient: Data not Available

pH: 10.0 - 12.0

Physical State/Appearance: Dark Brown to Black Liquid

Relative Evaporation Rate (Butylacetate=1) Data not Available

Solubility in Water: Miscible

SECTION 10

STABILITY AND REACTIVITY

Specific Gravity: 1.06

Vapour Density: Data not Available

Vapour Pressure: Negligible at ambient temperature

Viscosity: Thick

% Volatiles by Weight: 39.01

Reactivity: Not normally reactive under recommended practices.

Chemical Stability: Stable at normal temperatures and pressures.

Possibility of Hazardous Reactions: Stable under normal conditions of use; however, incompatible with strong acids and strong oxidizers.

Conditions to Avoid: Strong oxidizing agents.

Incompatibles: Keep away from oxidizing agents and acidic products.

SECTION 11

TOXICOLOGICAL INFORMATION

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Asphalt	5,001 mg/kg : Rat	2,001 mg/kg : Rat	N/A
Gum Rosin	2,800mg/kg : Rat	>2,000 mg/kg : Rat	N/A

Hazardous Decomposition Products: In case of fire hazardous decomposition products may be produced such as: Carbon oxides, hydrogen sulfide and other sulfur-containing gases can evolve from this product particularly at elevated temperatures above 400 °C.
No decomposition products in case of appropriate storage / handling / transport.

Hazardous Polymerization: Will not occur.

Acute Toxicity: No data available.

Likely Routes of Exposure: Skin, eyes, inhalation.

Symptoms/Injuries after Inhalation: May be harmful if inhaled.
Asphalt fumes have been associated with irritation of eyes nose and throat.
Also, respiratory effects have been reported.
Hydrogen sulfide (H₂S) can evolve when this product is stored or handled at elevated temperatures above 400 °C.
H₂S can cause respiratory irritation and hypoxia.
At low concentrations, H₂S has an odor of rotten eggs.
At higher concentrations, H₂S odor is not apparent.
DO NOT use odor as an indicator of exposure to H₂S.

Symptoms/Injuries after Eye Contact: Mists, vapors or fumes from this material can cause eye irritation with tearing, redness, or a stinging or burning feeling.

Symptoms/Injuries after Skin Contact: May be harmful if absorbed through skin.
May cause skin irritation with redness, an itching or burning feeling, and swelling of the skin.

Symptoms/Injuries after Ingestion: May be harmful if swallowed.
If swallowed in large quantities, asphalt can obstruct the intestine.

SECTION 12

ECOLOGICAL INFORMATION

Ecotoxicity: Spills into water ways may be harmful to organisms and bottom feeders.

VOC (grams/litre): 1

Persistence and Degradability: This product is estimated to have a slow rate of biodegradation.

Bio-accumulative Potential: This product is not expected to bio accumulate through food chains in the environment.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

SECTION 13**DISPOSAL CONSIDERATIONS**

Methods of Disposal: Dispose of container in accordance with applicable local, regional, national, and/or international regulations.

Container rinsate must be disposed of in compliance with applicable regulations.

RCRA: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title CFR 261; it is the responsibility of the waste generator to determine the proper waste identification and disposal method; for disposal of unused or waste material, check with local, state and federal environmental agencies.

DO NOT INCINERATE CLOSED CONTAINERS

SECTION 14**TRANSPORT INFORMATION**

UN Number: Not Regulated

UN Proper Shipping Name: Not Regulated

Transport Hazard Class: Not Regulated

Packing Group: Not Regulated

Environmental Hazards: Do not allow product to enter waterways.

Special Precautions for User: Appropriate advice on safety should accompany the package.

SECTION 15**REGULATORY INFORMATION**

Canada: All components are in compliance with the Canadian environmental protection act and are present on the domestic substances list. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

USA: TSCA: All components of this material are on the US TSCA inventory or are exempt.

OSHA: This material does not contain any hazardous components under OSHA regulation (29CFR 1910.1200).

CERCLA: This material does not contain any components with a section 304 EHS RQ.

SARA TITLE 111: Sec 302, No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA TITLE 111: Sec 313, This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

CA Prop 65: WARNING! This product contains a chemical known to the State of California to cause cancer. Asphalt (CAS-No.: 8052-42-4)

HMIS/NFPA: Health 2 Flammability 0 Physical hazard 0

DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Cantech Research Inc.

Legend to abbreviations and Acronyms Used in the SDS

ACGIH	American Conference of Governmental Industrial Hygienists	NIOSH	National Institute for Occupational Safety and Health
BCF	Bioconcentration Factor	OSHA	Occupational Safety and Health Administration
CAS	Chemical Abstract Services	PEL	Permissible Exposure Limit
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	PPM	Parts Per Million
CPR	Controlled Products Regulation	RCRA	Resource Conservation and Recovery Act
DNA	Data not Available	SARA	Species at Risk Act
HMIS	Hazardous Materials Identification System	STEL	Short Term Exposure Limit
LC	Lethal Concentration	STOT	Specific Target Organ Toxicity
LD	Lethal Dose	TDG	Transportation of Dangerous Good
N/A	Not Applicable	TSCA	Toxic Substances Control Act
N/D	Not Determined	TWA	Time Weighted Average
NFPA	National Fire Protection Association		

END OF SAFETY DATA SHEET