

# Safety Data Sheet

## Product Identifier

### SECTION 1. IDENTIFICATION

**Product Identifier** Liquid Rubber Asphalt Patch  
**Recommended Use** Asphalt Repair  
**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**

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

**Classification** **Classification to Regulation (EC) No. 1272/2008[CLP]**

Label Elements Not Classified  
 Physical Hazards Not Classified  
 Health Hazards Not Classified  
 Environmental Hazards Not Classified  
 Human Health Not Classified

Hazard Statements NC Not Classified

Other Hazards This substance is not classified as PBT or  
 vPvB according to the current EU criteria.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Classification according to EC 1272/2008 (CLP)**

Name	CAS No.	%	Classification according to Reg (EC) No. 1272/2008
Fatty acids C18 unsaturated, reaction products with polyethylene amines	CAS-No.: 1226892-49-4 EC-No.: 629-742-9	<4%	Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H- and EUH-statements: see section 16

## SECTION 4. FIRST-AID MEASURES

### 4.1. Description of first aid measures

First-aid measures after inhalation:	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact:	Wash skin with plenty of water.
First-aid measures after eye contact:	Rinse eyes with water as a precaution.
First-aid measures after ingestion:	Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation:	Irritation of the respiratory tract. Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Symptoms/effects after skin contact:	May be harmful in contact with skin. May cause moderate irritation.
Symptoms/effects after eye contact:	Direct contact with the eyes is likely to be irritating, stinging, redness, itching, tears.
Symptoms/effects after ingestion:	Ingestion may cause nausea and vomiting. May be harmful if swallowed.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5. FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel  
Emergency procedures:

Ventilate spillage area.

6.1.2. For emergency responders  
Protective equipment:

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Mechanically recover the product.  
Other information: Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the workstation. Wear personal protective equipment.  
Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool.  
Storage class (LGK, TRGS 510): LGK 13 - Non-combustible solids  
Joint storage table:

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for: LGK 1, LGK 6.2, LGK 7  
Joint storage with restrictions permitted for: LGK 4.1A, LGK 5.1C  
Joint storage permitted for: LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 4.3, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13

### 7.3. Specific end use(s)

No additional information available

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available+

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls:

Ensure good ventilation of the workstation.

### 8.2.2. Personal protection equipment



#### 8.2.2.1. Eye and face protection

Eye protection: Safety glasses

#### 8.2.2.2. Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Protective gloves

#### 8.2.2.3. Respiratory protection

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

Environmental exposure controls: Avoid release to the environment.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid
Colour:	Black.
Odour:	Characteristic odour.
Odour threshold:	Not available
Melting point:	Not available
Freezing point:	Not applicable
Boiling point:	Not available
Flammability:	Not available
Explosive limits:	Not applicable
Lower explosion limit:	Not applicable
Upper explosion limit:	Not applicable
Flash point:	Not applicable
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not available
pH:	Not available
pH solution:	Not available
Viscosity, kinematic:	Not applicable
Solubility:	Not available
Partition coefficient n-octanol/water (Log Kow):	Not available
Vapour pressure:	Not available
Vapour pressure at 50°C:	Not available
Density:	Not available

Relative density:	Not available
Relative vapour density at 20°C:	Not applicable
Particle size:	Not available
Particle size distribution:	Not available
Particle shape:	Not available
Particle aspect ratio:	Not available
Particle aggregation state:	Not available
Particle agglomeration state:	Not available
Particle specific surface area:	Not available
Particle dustiness:	Not available

## 9.2. Other information

### 9.2.1. Information with regard to physical hazard classes

No additional information available

### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral):	Not classified
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Not classified
Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT-single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified
Viscosity, kinematic:	Not applicable

### 11.2. Information on other hazards

No additional information available

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecology – general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment: Not classified  
short term (acute)

Hazardous to the aquatic environment: Not classified  
long-term (chronic)

Not rapidly degradable

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information 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. Avoid or minimize the generation of waste wherever possible.

## SECTION 14. TRANSPORT INFORMATION

In accordance with ADR / IMDG / IATA / ADN / RID

### 14.1. UN number or ID number

UN-No. (ADR):	Not regulated
UN-No. (IMDG):	Not regulated
UN-No. (IATA):	Not regulated
UN-No. (ADN):	Not regulated
UN-No. (RID):	Not regulated

### 14.2. UN proper shipping name

Proper Shipping Name (ADR):	Not regulated
Proper Shipping Name (IMDG):	Not regulated
Proper Shipping Name (IATA):	Not regulated
Proper Shipping Name (ADN):	Not regulated
Proper Shipping Name (RID):	Not regulated

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR): Not regulated

#### IMDG

Transport hazard class(es) (IMDG): Not regulated

#### IATA

Transport hazard class(es) (IATA): Not regulated

#### ADN

Transport hazard class(es) (ADN): Not regulated

#### RID

Transport hazard class(es) (RID): Not regulated

### 14.4. Packing group

Packing group (ADR): Not regulated

Packing group (IMDG): Not regulated

Packing group (IATA): Not regulated

Packing group (ADN): Not regulated

Packing group (RID): Not regulated

### 14.5. Environmental hazards

Dangerous for the environment: No

Marine pollutant: No

Other information: No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15. REGULATORY INFORMATION

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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

**PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

**POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

**Ozone Regulation (1005/2009)**

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

**Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

**Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

**15.1.2. National regulations****Germany**

Employment restrictions:

Observe restrictions according to Act on the Protection of Working Mothers (MuSchG).

Observe restrictions according to Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK):

WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).

Hazardous Incident Ordinance (12. BImSchV):

Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

**Netherlands**

ABM category:

A(3) - hazardous for aquatic organisms, may have long-term hazardous effects in aquatic environment

SZW-lijst van kankerverwekkende stoffen:

None of the components are listed

SZW-lijst van mutagene stoffen:

None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding:

None of the components are listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid:

None of the components are listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling:

None of the components are listed

**Denmark**

Danish National Regulations:

Pregnant/breastfeeding women working with the product must not be in direct contact with the product

**Switzerland**

Storage class (LK):

Non-hazardous

**SECTION 16. OTHER INFORMATION**
**Abbreviations and acronyms:**

<b>ADN</b>	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>ATE</b>	Acute Toxicity Estimate BCF Bioconcentration factor
<b>BLV</b>	Biological limit value
<b>BOD</b>	Biochemical oxygen demand (BOD)
<b>COD</b>	Chemical oxygen demand (COD)
<b>DMEL</b>	Derived Minimal Effect level



<b>DNEL</b>	Derived-No Effect Level EC-No. European Community number
<b>EC50</b>	Median effective concentration
<b>EN</b>	European Standard IARC International Agency for Research on Cancer
<b>IATA</b>	International Air Transport Association
<b>IMDG</b>	International Maritime Dangerous Goods
<b>LC50</b>	Median lethal concentration
<b>LD50</b>	Median lethal dose
<b>LOAEL</b>	Lowest Observed Adverse Effect Level
<b>NOAEC</b>	No-Observed Adverse Effect Concentration
<b>NOAEL</b>	No-Observed Adverse Effect Level
<b>NOEC</b>	No-Observed Effect Concentration
<b>OECD</b>	Organisation for Economic Co-operation and Development
<b>OEL</b>	Occupational Exposure Limit
<b>PBT</b>	Persistent Bioaccumulative Toxic
<b>PNEC</b>	Predicted No-Effect Concentration
<b>RID</b>	Regulations concerning the International Carriage of Dangerous Goods by Rail
<b>SDS</b>	Safety Data Sheet
<b>STP</b>	Sewage treatment plant
<b>ThOD</b>	Theoretical oxygen demand (ThOD)
<b>TLM</b>	Median Tolerance Limit
<b>VOC</b>	Volatile Organic Compounds
<b>CAS-No.</b>	Chemical Abstract Service number
<b>N.O.S.</b>	Not Otherwise Specified
<b>vPvB</b>	Very Persistent and Very Bioaccumulative
<b>ED</b>	Endocrine disrupting properties

**Full text of H- and EUH-statements:**

Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
EUH208 Contains	FATTY ACIDS C18 UNSATURATED,REACTION PRODUCTS WITH POLYETHYLENE AMINES. May produce an allergic reaction.
EUH210	Safety data sheet available on request.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
Skin Sens. 1A	Skin sensitization, category 1A

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