

# Safety Data Sheet

## Product Identifier

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Liquid Rubber Deck & Patio Cleaner
<b>Other Means of Identification</b>	None
<b>Recommended Use</b>	This material is intended to be used as a cleaning product.
<b>Restrictions on Use</b>	None known
<b>Initial Supplier Identifier</b>	Liquid Rubber Canada Inc. #16-1150 Eighth Line, Unit 16, Oakville, Ontario L6H 2R4, CANADA
<b>Emergency Telephone</b>	<b>1-855-451-5820 - 24 hrs a day</b>

#### In Canada

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

#### In The USA

##### Contact the poison control at

1-800-222-1222 (24/7) or use the webPOISONCONTROL® ([triage.webpoisoncontrol.org](http://triage.webpoisoncontrol.org)) to get specific guidance for your case

See also section 4 "First aid measures".

### SECTION 2. HAZARD IDENTIFICATION

Classified in Canada as hazardous according to Hazardous Products Regulation SOR/2015-17 (as amended by SOR/2022-272).

Classified in the USA as hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### Classification of the substance or mixture

Eye Irrit. 2; H319, Causes serious eye irritation.

#### Hazard pictogram(s)

Signal word = **Warning**

#### Hazard statement(s)

Causes serious eye irritation. (H319)



**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 Wash hands thoroughly after handling. (P264)

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) If eye irritation persists: Get medical advice/attention. (P337+P313)

**Hazardous substances**

Urea hydrochloride

**Health Hazards Not Otherwise Classified (HHNOC)**

Causes eye irritation

Causes mild skin irritation

May be harmful if swallowed

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)	Common Name / Synonyms	Other Identifiers
Citric Acid	77-92-9	2.5%	N/A	N/A
Organic Acid Salt	506-89-8	2.5%	N/A	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 immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. 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

**Burns**

Not applicable.

**Most important symptoms and effects, both acute and delayed**

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

**Indication of any immediate medical attention and special treatment needed**

If eye irritation persists: Get medical advice/attention.

**Information to medics**

Bring this safety data sheet or the label from this product.

**SECTION 5. FIRE-FIGHTING MEASURES****Extinguishing media**

Not applicable.

**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. If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are: Carbon oxides (CO / CO<sub>2</sub>)

**Advice for firefighters****In Canada**

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".

**In the USA**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the Poison Help Line on 1-800-222-1222 (24/7) in order to obtain further advice.

**SECTION 6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

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**

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. 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**

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**

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

**Recommended storage material**

Keep only in original packaging.

**Storage conditions**

10-30°C

50-86°F

**Incompatible materials**

Strong acids

Strong bases

Strong oxidizing agents

**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**

**In Canada** - No substances are listed in any provincial list of substances with an occupational exposure limit.

**In The USA** - No substances are listed with a permissible exposure limit (ref: 29 CFR 1910.1000 TABLE Z-1)

**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**

The formation of vapours 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 eyewash and emergency showers are clearly marked. Apply standard precautions during use of the product. Avoid inhalation of vapours.

### 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	Colour	Standards
No specific requirements			

#### Skin protection

Recommended	Type/Category	Standards
Wear appropriate protection-clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.		-



#### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0,56	> 240	EN374-2, EN374-3, EN388



#### Eye Protection

Type	Standards
Safety glasses with side EN166 shields. Chemical resistant goggles, Face Shields	



## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state	Liquid
Colour	Green
Odour	Acidic
Odour threshold (ppm)	No data available
pH	1.1-1.5
Density (g/cm <sup>3</sup> )	-
Relative density	Water (20 °C)
Kinematic viscosity	No data available
Particle characteristics	No data available

Phase changes	
Melting point (°C)	No data available
Softening point/range (°F)	Does not apply to liquids.
Boiling point (°C)	100
Vapour pressure	No data available
Relative vapour density	1.01
Decomposition temperature (°C)	No data available
Flash point (°C)	100
Flammability (°C)	Not applicable
Auto-ignition temperature (°C)	Not applicable
Explosion limits (% v/v)	Not applicable
Solubility in water	Completely soluble (Completely miscible)
n-octanol/water coefficient (LogKow)	No data available
Solubility in fat (g/L)	No data available
Evaporation rate (n-butylacetate = 100)	Water
Other physical and chemical parameters	No data available.
Oxidizing properties	No data available

## 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

Extremes of temperature

Do Not Allow To Freeze

### Incompatible materials

Strong acids

Strong bases

Strong oxidizing agents

### 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 Deck & Patio Cleaner
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	3 g/kg

Product/substance	Citric acid
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	6730 mg/kg

Product/substance	Urea hydrochloride
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1121 mg/kg

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

Product/substance	Liquid Rubber Deck & Patio Cleaner
Description:	May Cause Skin Irritation

Product/substance	Urea hydrochloride
Description:	Causes severe skin burns and eye damage.

Based on available data, the classification criteria are not met.

#### Serious eye damage/irritation

Product/substance	Liquid Rubber Deck & Patio Cleaner
Description:	May Cause Eye Irritation

Product/substance	Citric acid
Description:	Causes Serious Eye Irritation

Product/substance	Urea hydrochloride
Description:	Causes serious eye damage. Causes serious eye irritation.

#### Respiratory sensitization

Product/substance	Liquid Rubber Deck & Patio Cleaner
Other information:	There is no data available.

Product/substance	Citric acid
Other information:	There is no data available.

Product/substance	Urea hydrochloride
Other information:	There is no data available.

Based on available data, the classification criteria are not met.

**Skin sensitization**

Product/substance Liquid Rubber Deck & Patio Cleaner  
Other information: There is no data available.

Product/substance Citric acid  
Other information: There is no data available.

Product/substance Urea hydrochloride  
Other information: There is no data available.  
Based on available data, the classification criteria are not met.

**Germ cell mutagenicity**

Product/substance Liquid Rubber Deck & Patio Cleaner  
Other information: There is no data available.

Product/substance Citric acid  
Other information: There is no data available.

Product/substance Urea hydrochloride  
Other information: There is no data available.  
Based on available data, the classification criteria are not met.

**Carcinogenicity**

Product/substance Liquid Rubber Deck & Patio Cleaner  
Other information: There is no data available.

Product/substance citric acid  
Other information: There is no data available.

Product/substance Urea hydrochloride  
Other information: There is no data available.  
Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Product/substance Liquid Rubber Deck & Patio Cleaner  
Other information: There is no data available.

Product/substance citric acid  
Other information: There is no data available.

Product/substance Urea hydrochloride  
Other information: There is no data available.  
Based on available data, the classification criteria are not met.

**STOT-single exposure**

Product/substance Liquid Rubber Deck & Patio Cleaner  
Other information: There is no data available.

Product/substance citric acid  
Other information: There is no data available.



Product/substance Urea hydrochloride  
Other information: There is no data available.  
Based on available data, the classification criteria are not met.

#### **STOT-repeated exposure**

Product/substance Liquid Rubber Deck & Patio Cleaner  
Other information: There is no data available.

Product/substance citric acid  
Other information: There is no data available.

Product/substance Urea hydrochloride  
Other information: There is no data available.  
Based on available data, the classification criteria are not met.

#### **Aspiration hazard**

Product/substance Liquid Rubber Deck & Patio Cleaner  
Other information: There is no data available.

Product/substance citric acid  
Other information: There is no data available.

Product/substance Urea hydrochloride  
Other information: There is no data available.  
Based on available data, the classification criteria are not met.

#### **Long term effects**

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs.  
Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

#### **Other information**

None known.

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

#### **Toxicity**

Product/substance Liquid Rubber Deck & Patio Cleaner  
Other information: There is no data available.

Product/substance citric acid  
Species: Fish, *Lepomis macrochirus*  
Duration: 96 hours  
Test: LC50  
Result: 1516 mg/L

Product/substance Urea hydrochloride  
Other information: There is no data available.  
Based on available data, the classification criteria are not met.

**Persistence and degradability**

Product/substance Liquid Rubber Deck & Patio Cleaner  
Conclusion: -  
Other information: There is no data available.

Product/substance citric acid  
Conclusion: Readily biodegradable

Product/substance Urea hydrochloride  
Conclusion: -  
Other information: There is no data available.

**Bioaccumulative potential**

Product/substance Liquid Rubber Deck & Patio Cleaner  
Conclusion: -  
Other information: There is no data available.

Product/substance citric acid  
Conclusion: -  
Other information: There is no data available.

Product/substance Urea hydrochloride  
Conclusion: -  
Other information: 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)***In Canada & the USA****RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)**

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)***In Canada**

	UN / ID	UN proper shipping name	Hazard class(es)	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.

**In the USA**

	UN / ID	UN proper shipping name	Hazard class(es)	PG*	Env**
ADR	-	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.

DOT / See § 172.101 Hazardous Materials Table for any information on special provisions, requirements, or warnings in connection with transport. See § 172.602, 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 users**

Not applicable.

**Transport in bulk according to Annex II of Marpol and the IBC Code**

No data available.

<b>SECTION 15. REGULATORY INFORMATION</b> <i>(section heading must appear; all content is optional)</i>
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**In Canada**

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

**Canadian lists**

**NDSL**

None of the components are listed

**DSL**

citric acid

Urea hydrochloride

**Restrictions for application**

No special.

**Demands for specific education**

No specific requirements.

**Additional information**

Not applicable.

**Chemical safety assessment**

No

**Sources**

Hazardous Products Regulation SOR/2015-17 (as amended by SOR/2022-272)

**In The USA**

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

**U.S. Federal regulations**

**TSCA (the non-confidential portion)**

citric acid is listed

Urea hydrochloride is listed

**Clean Air Act**

None of the components are listed

**EPCRA Section 302**

None of the components are listed

**EPCRA Section 304**

None of the components are listed

**EPCRA section 313**

None of the components are listed

**CERCLA**

None of the components are listed

**Hazardous chemical inventory reporting**

This product is subject to Tier II reporting.

**State regulations****California / Prop. 65**

None of the components are listed

**Massachusetts / Right To Know Act**

None of the components are listed

**New Jersey / Right To Know Act**

None of the components are listed

**New York / Right To Know Act**

None of the components are listed

**Pennsylvania / Right To Know Act**

None of the components are listed

**Restrictions for application**

No special.

**Demands for specific education**

No specific requirements.

**Additional information**

Not applicable.

**Chemical safety assessment**

No

**Sources**

OSHA Hazard Communication Standard (29 CFR 1910.1200)

**SECTION 16. OTHER INFORMATION****Full text of H-phrases as mentioned in section 3**

H302, Harmful if swallowed.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

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 In Canada**

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

### **Abbreviations and acronyms in the USA**

ACGIH = American Conference of Governmental Industrial Hygienists  
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CERCLA = Comprehensive Environmental Response Compensation and Liability Act  
DOT = Department of Transportation EINECS = European Inventory of Existing Commercial chemical Substances  
EPCRA = Emergency Planning and Community Right-To-Know Act  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
HCIS = Hazardous Chemical Information System  
HNOC = 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)  
NFPA = National Fire Protection Association  
NIOSH = National Institute for Occupational Safety and Health  
OECD = Organisation for Economic Co-operation and Development  
OSHA = Occupational Safety and Health Administration  
PBT = Persistent, Bioaccumulative and Toxic  
RCRA = Resource Conservation and Recovery Act  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SARA = Superfund Amendments and Reauthorization Act  
SCL = A specific concentration limit.  
STEL = Short-term exposure limits  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TSCA = The Toxic Substances Control Act  
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

**Additional information**

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by HCS (29 CFR 1910.1200).

Date of latest revision – April 28<sup>th</sup>, 2025

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