

Safety Data Sheet

Product Identifier

SECTION 1. IDENTIFICATION

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

Contact the poison control at

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

See also section 4 “First aid measures”.

SECTION 2. HAZARD IDENTIFICATION

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

Classification of the substance or mixture

Skin Irrit. 2; H315, Causes skin irritation.

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

Hazard pictogram(s)



Signal word = **Warning**

Hazard statement(s)

Causes skin irritation. (H315)

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)

Storage

Not applicable.

Disposal

Not applicable.

Hazardous substances

Urea hydrochloride

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration (%w/w)	Classification	Note
Water	7732-18-5	95%	-	N/A
Citric Acid	77-92-9	2.5%	Eye Irrit. 2, H319 STOT SE 3, H335	N/A
Organic Acid Salt	506-89-8	2.5%	Acute Tox. 4, H302 Skin Corr. 1B, H314	N/A

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

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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

IF ON SKIN: Wash with plenty of water and soap. Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.

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 / CO₂)

Advice for firefighters

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**

Avoid direct contact with spilled substances.

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

50-86°F

Incompatible materials

None known

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**

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.
Apply general control to prevent unnecessary exposure

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

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures

Take off contaminated clothing and wash it before reuse.

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	Color	Standards
Respiratory protection is not needed in the event of adequate ventilation.			

Skin Protection

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



Hand Protection

Material	Glove thickness(mm)	Breakthrough time	Standards
Nitrile	0.56	>240 mins	EN374-2, EN374-3 EN388



Eye Protection

Type	Standards
Safety glasses with side shields	EN ISO 16321-1
Safety glasses with side shields	EN166
Face shield	EN ISO 16321-1
Face shield	EN166



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 ³)	-
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)	No data available
Flammability (°C)	Not applicable
Auto-ignition temperature (°C)	Not applicable
Explosion limits (% v/v)	Not applicable
Solubility in water	Soluble

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

None Known

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 Multipurpose 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

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 Multipurpose 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 Multipurpose 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 Multipurpose 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 Multipurpose 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 Multipurpose 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 Multipurpose 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 Multipurpose 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 Multipurpose 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)

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)

	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.

SECTION 15. REGULATORY INFORMATION (section heading must appear; all content is optional)**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

NFPA

Health hazard: 1

Fire hazard: 0

Instability hazard: 0

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.

H314, Causes severe skin burns and eye damage.

H319, Causes serious eye irritation.
H335, May cause respiratory irritation.

The full text of identified uses as mentioned in section 1

None known.

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).

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