

Safety Data Sheet

Product Identifier

SECTION 1. IDENTIFICATION

Product Identifier Liquid Rubber Sealant & Adhesive Caulk
Other Means of Identification None
Recommended Use Sealant/Adhesive for Commercial, Industrial and Construction applications.
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

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

Classified according to WHMIS 2022.
Classification of the substance or mixture

Reproductive toxicity - Category 2 H361 - Suspected of damaging fertility or the unborn child

Full text of H statements: see section 16

Signal word = **Warning**

Hazard statements:
H361 - Suspected of damaging fertility or the unborn child



Precautionary statements:
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Other hazards which do not result in classification
No additional information available

Unknown acute toxicity

No additional information available

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**Mixtures**

| Name | Product identifier | % |
|---|---------------------|-----|
| trimethoxyvinylsilane | CAS-No.: 2768-02-7 | < 5 |
| quartz, 1%≤conc respirable crystalline silica<10% | CAS-No.: 14808-60-7 | < 1 |
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate | CAS-No.: 52829-07-9 | < 1 |

Comments: Components not listed are either non-hazardous or are below reportable limits. This product contains Crystalline Silica, which is suspected of causing cancer when inhaled in fine particulate form. Crystalline Silica should not be respirable in this formulation. However, if cured material will be ground, milled, etc., wear respiratory protection to avoid inhaling any dust that may be produced.

Full text of hazard classes and H-statements: see section 16

SECTION 4. FIRST-AID MEASURES**Description of first aid measures**

First-aid measures general : IF exposed or concerned: Get medical advice/attention.
 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/doctor/physician if you feel unwell.

Most important symptoms and effects (acute and delayed)

No additional information available

Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES**Suitable (and unsuitable) extinguishing media**

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

Specific hazards arising from the chemical

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

Special protective equipment and precautions for fire-fighters

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

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures: Only qualified personnel equipped with suitable protective equipment may intervene.

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".

Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

Methods and material for containment and cleaning up

Methods for cleaning up: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information: Dispose of materials or solid residues at an authorized site.

Reference to other sections

For further information refer to section 13.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Precautions for safe handling:

Ensure good ventilation of the workstation. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly.

Hygiene measures :

Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

Storage conditions :

Store locked up. Store in a well-ventilated place. Keep cool.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)

No additional information available

trimethoxyvinylsilane (2768-02-7)

No additional information available

quartz, 1%≤conc respirable crystalline Silica<10% (14808-60-7)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA 0.025 mg/m³ (Respirable fraction)

USA - OSHA - Occupational Exposure Limits

Local name Silica, crystalline quartz, respirable dust

Remark (OSHA) (3) See Table Z-3.

Appropriate engineering controls:

Ensure good ventilation of the workstation.

Environmental exposure controls:

Avoid release to the environment.

Individual Protection Measures/Personal Protective Equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Liquid

Color

White

Odour

There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure.

Mixture contains one or more component(s) which have the following odour: Almost odourless Characteristic odour Mild odour Odourless Tallow odour Amine-like odour Pleasant odour Alcohol odour
Commercial/unpurified substance: irritating/pungent odour Fruity odour

Odour Threshold

No data available

| | |
|---|-------------------|
| pH | No data available |
| Melting Point | No data available |
| Freezing Point | Not applicable |
| Boiling Point | No data available |
| Flash Point | No data available |
| Relative evaporation rate (butyl acetate=1) | No data available |
| Flammability (solid, gas) | No data available |
| Vapor pressure | No data available |
| Relative vapor density | No data available |
| Relative density | No data available |
| Solubility | No data available |
| Partition coefficient n-octanol/water (Log Pow) | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity, kinematic | No data available |
| Viscosity, dynamic | No data available |
| Explosion limits | No data available |
| Explosive properties | No data available |
| Oxidizing properties | No data available |

SECTION 10. STABILITY AND REACTIVITY

Reactivity

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

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

Conditions to avoid

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

Incompatible materials

No additional information available

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 (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9) | |
|---|--|
| LD50 oral rat | 3700 mg/kg body weight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat | > 3170 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | 0.5 mg/l air (Equivalent or similar to OECD 403, 4 weeks (daily, 5 days / week), Rat, Male / female, Experimental value, Inhalation (aerosol), 7 day(s)) |

trimethoxyvinylsilane (2768-02-7)

| | |
|-----------------------|---|
| LD50 oral rat | 7120 – 7236 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat | ≥ 3400 mg/kg |
| LD50 dermal rabbit | 3259 – 3880 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Female, Converted value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | 16.8 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) |
| ATE US (oral) | 7120 mg/kg body weight |
| ATE US (dermal) | 3259 mg/kg body weight |
| ATE US (vapors) | 16.8 mg/l/4h |
| ATE US (dust, mist) | 16.8 mg/l/4h |

Skin corrosion/irritation: Not classified

| | |
|--|---------------------|
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9) | |
| pH | 9.7 (1 %) |
| quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7) | |
| pH | 5 – 8 (40 %, 20 °C) |

Serious eye damage/irritation: Not classified

| | |
|--|---------------------|
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9) | |
| pH | 9.7 (1 %) |
| quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7) | |
| pH | 5 – 8 (40 %, 20 °C) |

Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified.

| | |
|--|----------------------------|
| quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7) | |
| IARC group | 1 - Carcinogenic to humans |

Reproductive toxicity: Suspected of damaging fertility or the unborn child.
STOT-single exposure: Not classified
STOT-repeated exposure: Not classified
Aspiration hazard: Not classified
Viscosity, kinematic: No data available

| | |
|--|--------------------------|
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9) | |
| Viscosity, kinematic | Not applicable (solid) |
| trimethoxyvinylsilane (2768-02-7) | |
| Viscosity, kinematic | 0.619 mm ² /s |
| quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7) | |
| Viscosity, kinematic | Not applicable (solid) |

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Ecology - general:

The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9) | |
|---|---|
| LC50 - Fish [1] | 4.4 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Lepomis macrochirus, Flow-through system, Fresh water, Experimental value) |
| ErC50 algae | 0.705 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) |
| trimethoxyvinylsilane (2768-02-7) | |
| LC50 - Fish [1] | 191 mg/l (96 h, Oncorhynchus mykiss, Fresh water, Experimental value, Nominal concentration) |
| EC50 - Crustacea [1] | 168.7 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP) |
| ErC50 algae | > 89 mg/l (72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) |

Persistence and degradability

bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)

Persistence and degradability:

Not readily biodegradable in water. No straightforward conclusion can be drawn based upon the available numerical values. Not established.

| trimethoxyvinylsilane (2768-02-7) | |
|--|--|
| Persistence and degradability | Not readily biodegradable in water. |
| quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7) | |
| Persistence and degradability | Biodegradability: not applicable. Low potential for mobility in soil. Not established. |
| Chemical oxygen demand (COD) | Not applicable (inorganic) |
| ThOD | Not applicable (inorganic) |

Bioaccumulative potential

| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 0.35 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). Not established. |
| trimethoxyvinylsilane (2768-02-7) | |
| Partition coefficient n-octanol/water (Log Pow) | 1.1 (QSAR, KOWWIN, 20 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7)

Bioaccumulative potential

Bioaccumulation: not applicable. Not established.

Mobility In Soil

| | |
|--|--|
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9) | |
| Surface tension | No data available in the literature |
| Ecology - soil | Highly mobile in soil. |
| trimethoxyvinylsilane (2768-02-7) | |
| Ecology - soil | No (test) data on mobility of the substance available. |
| quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7) | |
| Surface tension | No data available in the literature |
| Ecology - soil | Low potential for mobility in soil. |

Other Adverse Effects

No additional information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods: Disposal should be in accordance with applicable regional, national and local laws and regulations.

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

In accordance with DOT / TDG / IMDG / IATA

UN number

Not regulated for transport

UN proper shipping name

Proper Shipping Name (DOT) : Not applicable
Proper Shipping Name (TDG) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

Transport hazard class(es)

DOT

Transport hazard class(es) (DOT): Not applicable

TDG

Transport hazard class(es) (TDG): Not applicable

IMDG

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

IATA

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

Packing group

Packing group (DOT) : Not applicable

Packing group (TDG) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Environmental hazards

Other information No supplementary information available

Special precautions for user**DOT**

No data available

TDG

No data available

IMDG

No data available

IATA

No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION**US Federal regulations**

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

| Name | CAS-No. | Listing | Commercial status | Flags |
|---|------------|---------|-------------------|-------|
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate | 52829-07-9 | Present | Active | |
| trimethoxyvinylsilane | 2768-02-7 | Present | Active | |
| quartz, 1%≤conc respirable crystalline silica<10% | 14808-60-7 | Present | Active | |

International regulations**CANADA****bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)**

Listed on the Canadian DSL (Domestic Substances List)

trimethoxyvinylsilane (2768-02-7)

Listed on the Canadian DSL (Domestic Substances List)

quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

| |
|--|
| bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9) |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

| |
|--|
| quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7) |
| Listed on IARC (International Agency for Research on Cancer) |

US State regulations

| Component | State or local regulations |
|--|--|
| quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |

SECTION 16. OTHER INFORMATION

Full text of H-phrases

| | |
|------|---|
| H318 | Causes serious eye damage |
| H332 | Harmful if inhaled |
| H350 | May cause cancer |
| H361 | Suspected of damaging fertility or the unborn child |
| H400 | Very toxic to aquatic life |
| H411 | Toxic to aquatic life with long lasting effects |

Date of Latest Revision – January 1, 2025

Liquid Rubber Canada Inc. believes the information contained herein is accurate; however, Liquid Rubber Canada Inc. makes no guarantees with respect to such accuracy and assumes no liability in connection with the use of the information contained herein which is not intended to be and should not be construed as legal advice or as insuring compliance with any federal, state, or local laws or regulations. Any party using this product should review all such laws, rules, or regulations prior to use, including but not limited to US and Canada Federal, Provincial and State regulations.

NO WARRANTY IS MADE, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE.