

Safety Data Sheet

Material Name: Multi-Purpose Silicone Sealant (Aluminum)

Product # 309980

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

Multi-Purpose Silicone Sealant (Aluminum)

Product Use

Silicone sealant

Restrictions on Use

For industrial use only.

Manufacturer Information

Carlisle Canada ULC
205 Brunswick Blvd.
Pointe Claire, QC H1R 1A5
Canada
www.carlislehvac.com

Medical Emergency:

CHEMTREC (USA): (800) 424-9300

MSDS Assistance – 972-442-6545

Technical Assistance – 888-229-2199

Customer Service – 888-229-0199

Section 2 - HAZARDS IDENTIFICATION

Hazard Classification

This product is not hazardous under the criteria of the Hazardous Products Regulation (HPR) as implemented under the Workplace Hazardous Materials Information System (WHMIS 2015).

Label Elements

Precautionary Statement(s)

Prevention

Use only outdoors or in a well-ventilated area.

Other Hazards

No additional information available.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical nature:

Silicone elastomer

This product is a mixture.

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CAS	Component Name	Concentration (w/w)
64642-46-7	Distillates (petroleum), hydrotreated middle	$\geq 20.0 - < 30.0 \%$

Section 4 - FIRST AID MEASURES

Description of first aid measures

General advice:

If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Inhalation:

Move person to fresh air; if effects occur, consult a physician.

Skin contact:

Wash off with plenty of water.

Eye contact:

Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

Ingestion:

No emergency medical treatment necessary.

Most important symptoms and effects, both acute and delayed:

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed:

Notes to physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Water spray. Alcohol-resistant foam. Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media

None known.

Special Hazards Arising from the Substance or Mixture

Hazardous combustion products: Carbon oxides Silicon oxides.

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Unusual Fire and Explosion Hazards:

Exposure to combustion products may be a hazard to health.

Advice for firefighters

Fire Fighting Procedures: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Follow safe handling advice and personal protective equipment recommendations.

Environmental Precautions

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

Methods and Materials for Containment and Cleaning Up

Wipe up or scrape up and contain for salvage or disposal. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

See sections: 7, 8, 11, 12 and 13.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice.

Use only with adequate ventilation. See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Conditions for Safe Storage, Including any Incompatibilities

Keep in properly labelled containers. Store in accordance with the particular national regulations.

Do not store with the following product types: Strong oxidizing agents.

Unsuitable materials for containers: None known

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

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Consult local authorities for recommended exposure limits.

Component Exposure Limits

Distillates (petroleum), hydrotreated middle	64642-46-7
CA AB OEL:	5 mg/m3 TWA Mist
CA AB OEL:	10 mg/m3 STEL Mist
CA QC OEL:	5 mg/m3 TWAEV Mist
CA QC OEL:	10 mg/m3 STEV Mist

Although some of the components of this product may have exposure guidelines, no exposure would be expected under normal handling conditions due to the physical state of the material.

Exposure controls

Engineering controls: 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. Local exhaust ventilation may be necessary for some operations.

Individual protection measures

Eye/face protection

Use safety glasses (with side shields)

Skin Protection

Hand protection: Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Examples of preferred glove barrier materials include: Chlorinated polyethylene. Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl alcohol ("PVA"). Polyvinyl chloride ("PVC" or "vinyl"). Viton. Examples of acceptable glove barrier materials include: Butyl rubber. Natural rubber ("latex"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Other protection: Wear clean, body-covering clothing.

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. For most conditions no respiratory protection should be needed; however, if discomfort is experienced, use an approved air-purifying respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge.

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Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Aluminum paste	Physical State	Paste
Odor	Acetic acid	Color	Grey
Odor Threshold	Not available	pH	Not applicable
Melting Point	Not available	Boiling Point (760 mmHg)	Not applicable
Freezing point	Not available	Evaporation Rate (Butyl Acetate = 1)	Not applicable
Flammability (solid, gas)	Not classified as a flammability hazard	Autoignition	Not available
Flash Point	Not applicable	Lower Explosive Limit	Not available
Decomposition	Not available	Upper Explosive Limit	Not available
Vapor Pressure	Not applicable	Relative Vapor Density (air=1)	Not available
Relative Density (water = 1)	0.96	Water Solubility	Not available
Partition coefficient: n-octanol/water	Not available	Decomposition Temperature	Not available
Dynamic Viscosity	Not applicable	Kinematic Viscosity	Not available
Explosive Properties	Not explosive	Oxidizing Properties	The substance or mixture is not classified as oxidizing
Molecular Weight	Not available		

Other Information

NOTE: The physical data presented above are typical values and should not be construed as a specification.

Section 10 - STABILITY AND REACTIVITY

Reactivity

Not classified as a reactivity hazard.

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

Can react with strong oxidizing agents.

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Conditions to Avoid

None known.

Incompatible Materials

Oxidizing agents.

Hazardous decomposition products

Decomposition products can include and are not limited to: Formaldehyde.

Section 11 - TOXICOLOGICAL INFORMATION

Toxicological information appears in this section when such data is available.

Information on likely routes of exposure

Eye contact, Skin contact, Ingestion.

Acute toxicity (represents short term exposures with immediate effects - no chronic/delayed effects known unless otherwise noted)

Acute Oral Toxicity

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

As product: Single dose oral LD50 has not been determined.

Based on information for component(s):

LD50, Rat, > 5,000 mg/kg Estimated.

Information for components:

Distillates (petroleum), hydrotreated middle

LD50, Rat, > 5,000 mg/kg

Acute Dermal Toxicity

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

As product: The dermal LD50 has not been determined.

Based on information for component(s):

LD50, > 2,000 mg/kg Estimated.

Information for components:

Distillates (petroleum), hydrotreated middle

LD50, Rabbit, > 3,160 mg/kg No deaths occurred at this concentration.

Acute Inhalation Toxicity

Brief exposure (minutes) is not likely to cause adverse effects.

As product: The LC50 has not been determined.

Information for components:

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LC50, Rat, 4 Hour, dust/mist, > 5.2 mg/l

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Skin Corrosion/Irritation

Based on information for component(s):

Prolonged contact may cause skin irritation with local redness.

Information for components:

Distillates (petroleum), hydrotreated middle

No skin irritation

Serious Eye Damage/Eye Irritation

Based on information for component(s): May cause slight temporary eye irritation. May cause mild eye discomfort. Corneal injury is unlikely.

Information for components:

Distillates (petroleum), hydrotreated middle

No eye irritation.

Sensitization

For skin sensitization:

Contains component(s) which did not cause allergic skin sensitization in guinea pigs.

For respiratory sensitization:

No relevant information found.

Information for components:

Distillates (petroleum), hydrotreated middle

For similar material(s):

Did not cause allergic skin reactions when tested in guinea pigs.

For respiratory sensitization:

No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure)

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Information for components:

Distillates (petroleum), hydrotreated middle

Available data are inadequate to determine single exposure specific target organ toxicity.

Aspiration Hazard

Based on physical properties, not likely to be an aspiration hazard.

Information for components:

Distillates (petroleum), hydrotreated middle

May be fatal if swallowed and enters airways.

Chronic toxicity (represents longer term exposures with repeated dose resulting in chronic/delayed effects - no immediate effects known unless otherwise noted)

Specific Target Organ Systemic Toxicity (Repeated Exposure)

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Contains a component(s) that is/are not expected to be bioavailable due to the physical state of the material under normal handling and processing conditions.

Information for components:

Distillates (petroleum), hydrotreated middle

Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

Carcinogenicity

For this family of materials: Did not cause cancer in long-term animal studies which used routes of exposure considered relevant to industrial handling. Positive results have been reported in other studies using routes of exposure not relevant to industrial handling. Contains an additional component(s) that is not expected to be bioavailable due to the physical state of the material under normal handling and processing conditions.

Information for components:

Distillates (petroleum), hydrotreated middle

For similar material(s): Did not cause cancer in laboratory animals.

Teratogenicity

For this family of materials: Did not cause birth defects or any other fetal effects in laboratory animals.

Information for components:

Distillates (petroleum), hydrotreated middle

For similar material(s): Did not cause birth defects or any other fetal effects in laboratory animals.

Reproductive toxicity

Contains component(s) which did not interfere with reproduction in animal studies. Contains component(s) which did not interfere with fertility in animal studies.

Information for components:

Distillates (petroleum), hydrotreated middle

For similar material(s): In animal studies, did not interfere with reproduction.

Mutagenicity

For this family of materials: In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

Information for components:

Distillates (petroleum), hydrotreated middle

In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicological information appears in this section when such data is available.

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Toxicity

Component Analysis - Aquatic Toxicity

Distillates (petroleum), hydrotreated middle	64642-46-7
Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).	
Acute Toxicity to Fish:	LL50, Scophthalmus maximus (turbot), 96 h, >1,028 mg/l, Test substance: Water Accommodated Fraction
Acute Toxicity to Aquatic Invertebrate:	LL50, Acartia tonsa, 48 h, >3,193 mg/l, Test substance: Water Accommodated Fraction
Acute Toxicity to Algae/Aquatic Plants:	EL50, Skeletonema costatum (marine diatom), 72 h, > 10,000 mg/l, Test substance: Water Accommodated Fraction
Toxicity to Bacteria:	EC50, 3 h, > 100 mg/l, OECD Test Guideline 209
Chronic toxicity to Aquatic Invertebrates:	NOELR, Ceriodaphnia dubia (water flea), 8 d, > 100 mg/l, Test substance: Water Accommodated Fraction

Persistence and Degradability

Biodegradability: Material is expected to be readily biodegradable. 10-day Window: Not applicable

Biodegradation: 74 %

Exposure time: 28 d

Method: OECD Test Guideline 306

Bioaccumulative Potential

Bioaccumulation: No relevant data found.

Mobility in Soil

No relevant data found.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal methods: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device. For additional information, refer to: Handling & Storage Information, MSDS Section 7 Stability & Reactivity Information, MSDS Section 10 Regulatory Information, MSDS Section 15

Treatment and disposal methods of used packaging: Empty containers should be recycled or otherwise disposed of by an approved waste management facility. Waste characterizations and compliance with

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applicable laws are the responsibility solely of the waste generator. Do not re-use containers for any purpose.

Section 14 - TRANSPORT INFORMATION

TDG:

Not regulated for transport

Classification for SEA transport (IMO-IMDG):

Not regulated for transport

Consult IMO regulations before transporting ocean bulk

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

Classification for AIR transport (IATA/ICAO):

Not regulated for transport

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

Section 15 - REGULATORY INFORMATION

Canadian Domestic Substances List (DSL)

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

Section 16 - OTHER INFORMATION

Revision

Identification Number: 4022445 / A208

Summary of Changes

Issue Date: December 2, 2019

Revision Note: General Update

Key / Legend

CA AB OEL – Canada, Alberta, Occupational Health and Safety Code (table 2: OEL); CA QC OEL - Québec, Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants; STEL – 15-minute occupational exposure limit; STEV – Short-term exposure value; TWA – 8-hour Occupational exposure limit; TWAEV – Time-weighted average exposure value

Full text of other abbreviations

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AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 -Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA -Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European. Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Other Information

Disclaimer:

The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, CCWI Company must rely upon the hazard evaluation of such components submitted by that product's manufacturer or importer. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.