1035

Safety Data Sheet

Section 1: Identification

Product Identifier and Other Means of Identification

Product Identifier: 1035

Other Means Of Identification: Premium RTV Silicone Adhesive Sealant

Related Part # 1035-85ML, 1035-85MLCA

Recommended Use and Restriction on Use

Use: Sealant adhesive

Uses Advised Against: Not available

Details of Manufacturer or Importer

Manufacturer
MG Chemicals
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E-MAIL support@mgchemicals.com
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FAX +1-905-331-2682
E-MAIL info@mgchemicals.com

E-MAIL (Competent Person): sds@mgchemicals.com

Emergency Phone Number

For hazardous material incidents ONLY (leaks, spills, fires, exposures or accidents)
USA or CANADA—Call Verisk 3E at ***+1-866-519-4752*** or ***+1-760-476-3962***
(Service access code: 335388)

For emergencies involving the transport of dangerous goods; 24/7 service
CANADA—Call CANUTEC collect at ***+1-613-996-6666*** or ****666*** on cellular phones

Section 2: Hazard(s) Identification

Classification of Hazardous Chemical

GHS Categories

Criteria		Category	Signal Word	Pictograms
Reproductive Toxicity		1B	Danger	Health
Sensitization	Skin	1	Warning	Exclamation
Eye Irritation		2	Warning	Exclamation
Hazardous to the Aquatic Environment	Chronic	3	*none*	*none*

Note: The degree of severity is ranked within each hazard class from 1 (Highest Severity) to up to 5 (Lowest Severity), which is opposite to HMIS and NFPA conventions. Severity category rankings do not allow comparisons between classes.

Label Elements

Signal Word	**DANGER**
Pictograms	**Hazard Statements**
	H360: May damage fertility or the unborn child
	H319: Causes serious eye irritation H317: May cause an allergic skin reaction
No symbol mandated	H412: Harmful to aquatic life with long lasting effects

Section continued on the next page

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Prevention	**Precautionary Statements**
P102	Keep out of reach of children.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing fumes, dust or vapors.
P280	Wear protective gloves and eye protection.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
Response	**Precautionary Statements**
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice or attention.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P333 + P313	IF skin irritation or rash occurs: Get medical advice or attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P308 + P313	IF exposed or concerned: Get medical advice or attention.
Storage	**Precautionary Statements**
P405	Store locked up.
Disposal	**Precautionary Statements**
P501	Dispose of contents in accordance to local, regional, national, and international regulations.

Hazards Not Otherwise Classified

Other Criteria	**Hazard Statements/Precautionary Statement**	**Signal Word**	**Pictograms**
Not available	Not available	Not available	Not available

Section 3: Composition/Information on Ingredients

CAS #	Chemical Name	%(weight)
556-67-2	octamethylcyclotetrasiloxane	1–5%
999-97-3	1,1,1,3,3,3-hexamethyldisilazane	1–5%
22673-19-4	Dibutylbis(pentane-2,4-dionato-O,O')tin	0.3–1%
541-02-6	Decamethylcyclopentasiloxane	0.1–1%

Section 4: First-Aid Measures

Exposure Condition	*GHS Code/Symptoms/Precautionary Statements*
IF IN EYES	P305 + P351 + P338, P337 + P313
Immediate Symptoms	*redness, serious irritation*
Response	Rinse cautiously with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
IF ON SKIN	P302 + P352, P362 + P364, P333 + P313
Immediate Symptoms	*mild irritation, redness, contact dermititus*
Response	Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice or attention.
IF INHALED	P304 + P340, P308 + P313
Immediate Symptoms	*low toxicity: cough*
Response	Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice or attention.
IF SWALLOWED	P301 + P330 + P331, P308 + P313
Immediate Symptoms	*low toxicity: irritation*
Response	Rinse mouth. Do not induce vomiting. IF exposed or concerned: Get medical advice or attention.

Section 5: Fire-Fighting Measures

Extinguishing Media	In case of fire: Use extinguishing media suitable for surrounding materials.
Specific Hazards	Not flammable or combustible, but will burn if involved in a fire. Produces irritating smoke and toxic fumes in fires.
Combustion Products	Produces carbon oxides (CO, CO_2), silicon dioxide, nitrogen oxides (NOx), ammonia, and formaldehyde.
Fire-Fighter	Wear self-contained breathing apparatus and full fire-fighting turn-out gear.

Section 6: Accidental Release Measures

Personal Protection	See personal protection recommendations in Section 8.
Precautions for Response	Avoid breathing the fumes or vapors. Remove all sources of extreme heat or open flames.
Environmental Precautions	Avoid releasing to the environment.
Containment Methods	Not applicable—not readily flowable
Cleaning Methods	Collect spill in a sealable container. Wash spill area with soap and water. ventilation, especially in low or enclosed areas.
Disposal Methods	Dispose of spill waste according to Section 13.

Section 7: Handling and Storage

Prevention	Keep out of reach of children.
	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
	Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash it before reuse.
	Avoid breathing fumes or vapors.
	Avoid release to the environment.
Handling	Wear protective gloves and eye protection.
	Wash hands thoroughly after handling.
Storage	Store locked up.

Section 8: Exposure Controls/Personal Protection

Substances with Occupational Exposure Limit Values

Contains no substances with occupational exposure limits.

Note: The ACGIH[1], OSHA (Table Z-1), and Canadian provinces exposure limits were consulted. Limits from by RTECS database[2] and from suppliers' SDS were also consulted.

Engineering Controls

Ventilation	General ventilation is adequate for normal use; keep overall exposure as low as possible.

Personal Protective Equipment

Eye protection	Wear appropriate protective eyeglasses or chemical safety goggles. **RECOMMENDATION:** Ensure that glasses have side shields for lateral protection.
Skin Protection	Wear appropriate protective clothing to prevent skin contact. For likely contacts, use of protective nitrile gloves or other chemically resistant gloves.
Respiratory Protection	Not normally required for routine operations, but if exposed to high levels of vapors, or fumes, wear respirator such as a half-mask respirator with suitable organic vapor cartridge and particulate filter. **RECOMMENDATION:** Consult your local safety supply store to ensure that your respirator has a NIOSH (U.S.) approved filter cartridges appropriate for the ingredients listed in Section 3. The respirator should be fitted to the employee by a professional. Ensure vapor cartridges are stored in sealed plastic bags when not being used.

General Hygiene Considerations

Wash hands thoroughly with water and soap after handling.

Section 9: Physical and Chemical Properties

Physical State	Solid, paste	**Lower Flammability Limit**	Not applicable
Appearance	Colorless	**Upper Flammability Limit**	Not applicable
Odor	Ammonia-like	**Vapor Pressure @25 °C**	<1.0 hPa [<0.75 mmHg]
Odor Threshold	Not available	**Vapor Density**	Not Available
pH	Not Available	**Relative Density**	1.04
Freezing/Melting Point	Not Available	**Solubility in Water**	Insoluble
Initial Boiling Point [a)]	Not Available	**Partition Coefficient n-octanol/water**	Not Available
Flash Point	≥110 °C [≥230 °F]	**Auto-ignition Temperature**	Not Available
Evaporation Rate	Not Available	**Decomposition Temperature**	Not available
Flammability	Non Flammable	**Viscosity @40 °C**	>20.5 mm^2/s

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Chemically stable at normal temperatures and pressures.
Conditions to Avoid	Avoid flames, excessive temperatures, and incompatible substances
Incompatibilities	Not available
Polymerization	Will not occur
Decomposition	Will not decompose under normal conditions. For thermal decomposition, see combustion products in Section 5.

Section 11: Toxicological Information

Summary of Effects and Symptoms by Routes of Exposure

Eyes	May causes redness and serious eye irritation.
Skin	May cause mild skin irritation, redness, and contact dermititus.
Inhalation	Low toxicity: may cause cough
Ingestion	Low toxicity: may cause irritation
Chronic	Prolonged and repeated exposure may lead to skin sensitization.

Acute Toxicity (Lethal Exposure Concentrations)

Chemical Name	LD50 oral	LD50 dermal	LC50 inhalation
octamethylcyclotetrasiloxane	>4 800 mg/kg Rat	1 770 mg/kg Rat	36 mg/L Rat 4 h
1,1,1,3,3,3-hexamethyldisilazane	1 864 mg/kg Rat	Not applicable	Not applicable
dibutylbis(pentane-2,4-dionato-O,O')tin	Not applicable	Not applicable	Not applicable
decamethylcyclopentasiloxane	Not applicable	Not applicable	8.67 mg/L Rat 4 h

Note: Toxicity data from the RTECS[2] and ECHA databases were consulted. The data from supplier SDSs were also consulted.

Other Toxicological Effects

Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Dibutylbis(pentane-2,4-dionato-O,O')tin (CAS# 22673-19-4) may cause eye irritation.
Sensitization (allergic reactions)	Dibutylbis(pentane-2,4-dionato-O,O')tin (CAS# 22673-19-4) may cause skin sensitization based on animal study results.
Carcinogenicity (risk of cancer)	None of the ingredients are classified or listed as a carcinogen by IARC, ACGIH, CA Prop 65, or NTP.

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Mutagenicity (risk of heritable genetic effects)	Based on available data, the classification criteria are not met. No mutagenic effects observed in four tests.
Reproductive Toxicity (risk to sex functions)	Octamethylcyclotetrasiloxane (CAS# 556-67-2) and Dibutylbis(pentane-2,4-dionato-O,O')tin (CAS# 22673-19-4) tested positive for effect on reproduction in rat studies.
Teratogenicity (risk of fetus malformation)	Based on available data, the classification criteria are not met.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met. The mixture does not contains Class 1 aspiration toxicant and its viscosity is >20.5 mm^2/s at 40 °C.

Section 12: Ecological Information

Ecological classifications are based on the IMDG/GHS criteria in conjunction with ecotoxicological data from our suppliers, the European Chemical Agency database (http://echa.europa.eu), and other reliable sources.

In Europe, octamethylcyclotetrasiloxane (CAS# 556-67-2) is classified as chronic category 4 marine pollutant. Hexamethyldisilazane (CAS# 999-97-3) is classified as a chronic category 3. Dibutylbis(pentane-2,4-dionato-O,O')tin (CAS# 22673-19-4) is classified as a chronic category 1.

The remaining ingredients are not classifiable due to lack of data, but they are believed to be of low ecotoxicity.

Acute Ecotoxicity

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

Section continued on the next page

Chronic Ecotoxicity

Harmful to aquatic life with long lasting effects

Avoid release to the environment.

Persistence and Biodegradability

Not classifiable due to inconclusive data

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Effects

Not available

Section 13: Disposal Information

Dispose of contents in accordance with all local, regional, national, and international regulations.

Section 14: Transport Information

Ground

Refer to TDG regulations (Canadian Transportation of Dangerous Goods regulations) and **US DOT 49 CFR** (Parts 100 to 185) **Regulations**.
Not Regulated

Air

Refer to ICAO-IATA Dangerous Goods Regulations.
Not Regulated

Sea

Refer to IMDG Dangerous Goods Regulations.
Not Regulated

Section 15: Regulatory Information

Canada

Domestic Substance List (DSL) / Non-Domestic Substance Lists (NDSL)

All hazardous ingredients are listed on the DSL.

Hazardous Products Act (R.S.C., 1985, c. H-3)

The safety data sheet and label comply with the Hazardous Product Act and WHMIS 2015.

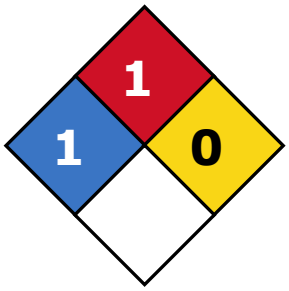
USA

Other Classifications

HMIS® RATING

HEALTH:	* 1
FLAMMABILITY:	1
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

NFPA® 704 CODES



Approximate HMIS and NFPA Risk Ratings Legend:
0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

CAA (Clean Air Act, USA)

This product does not contain any class 1 ozone depleting substances.

This product does not contain any class 2 ozone depleting substances.

This product does not contain substances that are listed as hazardous air pollutants.

EPCRA (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product contains does not contain substances which are subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372

TSCA (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

Section continued on the next page

California Proposition 65 (Chemicals known to cause cancer or reproductive toxicity, USA).

This product does not contain any of the listed substances.

Europe

RoHS (Restriction of Hazardous Substances Directive)

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, PBDE's, DEHP, BBP, DBP, or DIBP and complies with European RoHS regulations.

WEEE (Waste Electrical and Electronic Equipment Directive)

This product is not a piece of electrical or electronics equipment, and is therefore not governed by this regulation.

Section 16: Other Information

SDS Prepared by	MG Chemical's Regulatory Department
Date of Revision	05 March 2020
Supersedes	16 January 2020

Reason for Changes: Update to the emergency phone number information.

Reference

1) ACGIH *2017 TLVs and BEIs: Based on the documentation of the threshold limit values for chemical substances and physical agents & biological exposure indices*, American Conference of Governmental of Industrial Hygienist Cincinnati, OH (2017).

2) All toxicological data were checked against the RTECS (Registry of Toxic Effects of Chemical Substances®)

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1035

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists (USA)
ECHA	European Chemicals Agency
EU	European Union
EC50	Half maximal effective concentration
EL50	Half maximal effective loading
IARC	International Agency for Research on Cancer
NOELR	No observable effect loading ratio
NTP	National Toxicology Program
GHS	Globally Harmonized System of Classification of Labeling of Chemicals
LC50	Lethal Concentration 50%
LCLo	Lowest published lethal concentration
LD50	Lethal Dose 50%
OEL	Occupational Exposure Limit
PEL	Permissible Exposure Limit
SDS	Safety Data Sheet
STEL	Short-Term Exposure Limit
TCLo	Lowest published toxic concentration
TWA	Time Weighted Average
VOC	Volatile Organic Content

Technical Queries Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at www.mgchemicals.com.

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