

## Safety Data Sheet (SDS)

[www.chipquik.com](http://www.chipquik.com)

To comply with European CLP Regulation 1272/2008, US 29CFR 1910.1200 OSHA's Hazard Communication Standard, and Australian NOHSC: 1008 [2004] and ADG Code 7.4

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Chip Quik Silicone Adhesive Sealant: MPSG, Chip Quik Dielectric Silicone Grease: DECSIL  
**SYNONYMS:** Silicone Lubricant, Dielectric Silicone Grease  
**PART NUMBERS:** MPSG10C, MPSG10C-20G, DECSIL-10CC, DECSIL-30CC, DECSIL-55CC, DECSIL-6OZ, DECSIL-12OZ

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**REVISION DATE:** 2023/01/25  
**REVISION NUMBER:** 1.6  
**REVISED BY:** Chip Quik Product Safety

**PRODUCT USE:** Silicone grease, for electrical, electronic, and general industry lubricating and sealing.

### 2. HAZARD IDENTIFICATION

Classified in accordance with European CLP Regulation 1272/2008

**CHEMICAL NAME:** NA  
**CHEMICAL FAMILY:** Mixture  
**CHEMICAL FORMULA:** Proprietary

**ROUTES OF ENTRY:** Inhalation, Ingestion, Skin/Eye Contact

**TARGET ORGANS:** NA

**GHS/CLP:**



Signal Word: Warning

#### GHS/CLP LABEL ELEMENTS:

Hazard statement(s)

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.

Precautionary statement(s)

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.  
P233 Keep container tightly closed.  
P260 Do not breathe dust/fume/gas/mist/vapor/spray.  
P262 Do not get in eyes, on skin, or on clothing.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink, or smoke when using this product.  
P271 Use in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P284 In case of inadequate ventilation wear respiratory protection.

P301/P330/P331/P310 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Immediately call a POISON CENTER/Doctor.  
P303/P361/P352/P333/P313 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash with soap & water. Get medical advice/attention if skin irritation or rash occurs or if you feel unwell.  
P304/P340/312 IF INHALED: Remove victim to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.  
P305/P351/338/P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call POISON CENTER/Doctor.  
P308/P313 IF EXPOSED OR CONCERNED: Get medical advice/attention.  
P342/P311 IF EXPERIENCING RESPIRATORY SYMPTOMS: Call POISON CENTER/Doctor.  
P362 Take off contaminated clothing and wash it before reuse.  
P391 Collect spillage.  
P402/P404 Store in a dry place. Store in a closed container.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**OTHER HAZARDS:**  
None known.

**SECTION 2 NOTES:**

Chip Quik Inc. does not recommend, manufacture, market, or endorse any of its products for human consumption.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Classified in accordance with European CLP Regulation 1272/2008

Hazardous Ingredients <sup>(1)</sup>	C.A.S. Number	Weight Percent	OSHA PEL mg/m <sup>3</sup>	ACGIH TLV TWA mg/m <sup>3</sup>	LD 50 Ingested g/Kg	LD 50 Inhaled g/m <sup>3</sup>
Dimethyl Siloxanes and Silicones	63148-62-9	>90	NE	NE	NE	NE
Silicon Dioxide, Amorphous	112945-52-5	<10	NE	NE	NE	NE

**SECTION 3 NOTES:**

(1) Per 29 CFR 1910 the mixture has not been tested as a whole. All hazardous components, which comprise 1% of the mixture (0.1% carcinogenic), are listed. Percentages of individual components are not listed as this information is considered a trade secret.

**4. FIRST-AID MEASURES**

**Emergency first aid procedures:**

**EYES:** Flush with plenty of water, contact a physician. If contact lenses can be removed easily, flush eyes without contact lenses.

**SKIN:** Wash affected area with plenty of warm, soapy water. If irritation persists, seek medical attention.

**INGESTION:** Call a physician or Poison Control Center immediately. Do not induce vomiting. Drink large amounts of water. Never give anything by mouth to an unconscious person

**INHALATION:** Remove to fresh air. Support respiration if required. If not breathing, seek immediate medical attention.

**5. FIREFIGHTING MEASURES**

**EXTINGUISHING MEDIA:** Dry chemical, foam  
Alcohol-resistant foam  
Carbon Dioxide (CO<sub>2</sub>)  
Water Spray

**SPECIAL FIRE FIGHTING PROCEDURES:** Use NIOSH-approved self-contained Breathing Apparatus and full protective clothing if involved in a fire. Move containers from fire area if you can do so without risk.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** May release toxic oxides, incompletely burned carbon compounds, formaldehyde.

**6. ACCIDENTAL RELEASE MEASURES**

**PRECAUTIONS AND EQUIPMENT:** Material is extremely thick and will not flow out.

**ACCIDENTAL RELEASE MEASURES:** If material spills or leaks use a spatula to collect and place it in a plastic or glass jar. Ensure adequate ventilation. Remove traces of residue using cloth rags or paper towels. Follow on-site personal protective equipment recommendations. Eliminate sources of ignition.

**ENVIRONMENTAL PRECAUTIONS:** Avoid release to the environment. Collect spillage.

**SECTION 6 NOTES:**

See Sections 2, 4, and 7 for additional information.

**7. HANDLING AND STORAGE**

**HANDLING/STORAGE:** Keep containers tightly closed when not in use. Use care to avoid spills. Avoid inhalation of fumes or dust. Avoid contact with eyes, skin, and clothing. Store in a closed corrosive resistant container, with corrosive resistant liner, in cool dry place. Wear appropriate personal protective equipment when working with or handling. Always wash hands thoroughly after handling this product. Dispose of following Federal, State/Provincial, and Local regulations.

**OTHER PRECAUTIONS:** Empty containers may retain product residues in vapor, liquid, and/or solid form. All labeled hazard precautions should be observed.

**WORK HYGIENIC PRACTICES:** Cosmetics/Food/Drink/Tobacco should not be consumed or used in work areas. Always wash hands after handling material and before applying or using cosmetics/food/drink/tobacco.

**SECTION 7 NOTES:**

Keep out of reach of children.  
Not for internal consumption.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Contains no substances with occupational exposure limit values.

Also see section 3.

**ENGINEERING CONTROLS:** Use only with production equipment designed for use with silicone adhesive sealant.

**VENTILATION:** Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLVs.

**RESPIRATORY PROTECTION:** A (US: NIOSH; EU: EN 140:1998, EN 14387:2004 A) approved air-purifying respirator with fume/organic chemical cartridge should be worn when airborne concentrations may be exceeded. General and local exhaust ventilation is the preferred means of protection.

**EYE PROTECTION:** Use with appropriate eye protection: Goggles or face shield (EU: EN 166-S 3 9).

**SKIN PROTECTION:** Protective gloves should be worn when the possibility of skin contact exists (EU: EN 374-1:2003).

**PROTECTIVE CLOTHING OR EQUIPMENT:** Work clothes should be worn and laundered in accordance with current standards (US: OSHA).

**WORK HYGIENIC PRACTICES:** Cosmetics/Food/Drink/Tobacco should not be consumed or used in areas where solder products may be used. Always wash hands after handling soldering products and before applying or using cosmetics/food/drink/tobacco.

**OTHER:** Maintain eye wash stations in work areas. Avoid the use of contact lenses in high fume areas. Clean protective equipment regularly. Clean up spills immediately.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE:</b>	Paste (Clear)
<b>ODOR:</b>	Mild
<b>ODOR THRESHOLD:</b>	NE
<b>pH as SUPPLIED:</b>	NA
<b>MELTING POINT:</b>	NA
<b>FREEZING POINT:</b>	NA
<b>INITIAL BOILING POINT:</b>	NA
<b>BOILING RANGE:</b>	>200°C (392°F)
<b>FLASH POINT:</b>	300°C (572°F)
<b>EVAPORATION RATE:</b>	NA
<b>FLAMMABILITY (solid):</b>	Not classified as a flammability hazard
<b>UPPER/LOWER FLAMMABILITY:</b>	NE
<b>UPPER/LOWER EXPLOSIVE LIMITS:</b>	NE
<b>VAPOR PRESSURE (mmHg):</b>	NA
<b>VAPOR DENSITY (AIR = 1):</b>	NA
<b>RELATIVE DENSITY:</b>	NA
<b>SOLUBILITY IN WATER:</b>	Not soluble
<b>PARTITION COEFFICIENT (n-octanol/water):</b>	NE
<b>AUTOIGNITION TEMPERATURE:</b>	NE
<b>DECOMPOSITION TEMPERATURE:</b>	Begins to decompose at 150°C
<b>VISCOSITY:</b>	NA
<b>VOC:</b>	None

**10. STABILITY AND REACTIVITY**

<b>STABILITY:</b>	May react with air under very high pressure. Otherwise will not react or polymerize.
<b>CONDITIONS TO AVOID (STABILITY):</b>	NE
<b>INCOMPATIBILITY (MATERIAL TO AVOID):</b>	Oxidizing materials.
<b>HAZARDOUS DECOMPOSITION/BY-PRODUCTS:</b>	Decomposes on heating and produces silicone dioxide, incompletely burned carbon compounds, and formaldehyde.
<b>POSSIBILITY OF HAZARDOUS REACTIONS:</b>	Use at elevated temperatures may form highly hazardous compounds. Can react with oxidizing agents.

**11. TOXICOLOGICAL INFORMATION**

Likely Routes of Exposure:	Skin Contact Ingestion Eye Contact
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**ACUTE TOXICITY:**

Component	Result	Species	Dose	Conclusion
Dimethyl Silicone	LD50	Rat	>10,000 mg/kg	Not Toxic

#### SKIN CORROSION/IRRITATION:

Component	Result	Species	Dose
Dimethyl Silicone	LD50	Rabbit	>2,000 mg/kg

**SERIOUS EYE DAMAGE/IRRITATION:** Possible irritant, not corrosive to the eyes.

**RESPIRATORY OR SKIN SENSITIZATION:** NA

**GERM CELL MUTAGENICITY:** NA

**CARCINOGENICITY:**

<b>OSHA:</b> NA	<b>ACGIH:</b> NA	<b>NTP:</b> NA	<b>IARC:</b> NA
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**REPRODUCTIVE TOXICITY:** NA

**STOT-SINGLE EXPOSURE:** NA

**STOT-REPEATED EXPOSURE:** NA

**ASPIRATION HAZARD:** NA

#### SECTION 11 NOTES:

This product has not been tested as a whole to determine its hazards. Synergistic or additive effects of the above chemicals are unknown, as are the effects of exposure to these chemicals in addition to others present in the work place. See Section 2 for additional health hazards.

## 12. ECOLOGICAL INFORMATION

**TOXICITY:** Toxic to aquatic life. Toxic to aquatic life with long lasting effects. [Alkoxy Silane]  
May cause long lasting harmful effects to aquatic life. [Octa Methyl Cyclo Tetra Siloxane]

#### ACUTE TOXICITY:

Component	Aquatic	Result	Species	Dose	Exposure
Dimethyl Silicone	Invertebrates	LC50	Water flea (Daphnia magna)	>10,000 mg/L	48 hr.
Amorphous Silica	Invertebrates	LC50	Water flea (Daphnia magna)	>10,000 mg/L	24 hr.
	Fish	LC50	Zebrafish (Brachydanio rerio)	>10,000 mg/L	96 hr.

**PERSISTENCE AND DEGRADABILITY:** In soil, siloxanes are degraded.

**BIOACCUMULATIVE POTENTIAL:** Not expected to bioaccumulate.

**MOBILITY IN SOIL:** Siloxanes are removed from water by sedimentation or binding to sewage sludge. Silica is not mobile.

**RESULT OF PBT and vPvB ASSESSMENT:** NA

**OTHER ADVERSE EFFECTS:** NE

## 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Scrap and waste should be recycled or stored in a dry, sealed container for later disposal. Disposal must be in accordance with Federal, State/Provincial, and Local Regulations.

**OTHER PRECAUTIONS:** Avoid skin & eye contact, inhalation & ingestion of fumes and material. Wash contaminated clothing before reuse. Keep away from children.

## 14. TRANSPORT INFORMATION

Transport in accordance with applicable regulations and requirements.

**UN Number:** Not available  
**UN Proper Shipping Name:** Not available  
**Packaging Group:** Not applicable  
**Environmental Hazards:** None

#### TRANSPORT HAZARD CLASSES:

US DOT Hazardous Material Classification: Not regulated  
Water Transportation: Not regulated  
IATA Hazardous Material Classification: Not regulated  
ADR Road Regulations: Not regulated  
IMDG Sea Regulations: Not regulated  
ADG Land Transportation: Not regulated

## 15. REGULATORY INFORMATION

All ingredients used to manufacture this product are listed on the EPA TSCA Inventory. Finished product is not listed on the EPA TSCA Inventory.

**U.S. FEDERAL REGULATIONS:** Not regulated

**STATE REGULATIONS:** Not regulated

**INTERNATIONAL REGULATIONS:** Not regulated

**AUSTRALIAN REGULATIONS:** Not regulated

## 16. OTHER INFORMATION

#### LEGEND:

**ACGIH** American Conference of Governmental Industrial Hygienists  
**ADG** Australian Dangerous Goods Code

<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>BCF</b>	Bioconcentration factor
<b>C.A.S.</b>	Chemical Abstract Service
<b>CLP</b>	Classification, Labeling and Packaging
<b>DOT</b>	Department of Transportation
<b>EC</b>	Effective Concentration
<b>EPA</b>	Environmental Protection Agency
<b>GHS</b>	Global Harmonized System
<b>HMIS</b>	Hazardous Material Identification System
<b>IARC</b>	International Agency for Research on Cancer
<b>IATA</b>	International Air Transport Association
<b>IMDG</b>	International Maritime Dangerous Goods Code
<b>LC</b>	Lethal Concentration
<b>LD</b>	Lethal Dose
<b>NA</b>	Not available
<b>NE</b>	Not established
<b>NIOSH</b>	National Institute for Occupational Safety & Health
<b>NOEC</b>	No observed effective concentration
<b>NOHSC</b>	National Occupational Health and Safety Commission (Australia)
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PEL</b>	Permissible Exposure Limit
<b>P<sub>ow</sub></b>	Octanol water partition coefficient
<b>SDS</b>	Safety Data Sheet
<b>STEL</b>	Short-Term Exposure Limit
<b>STOT</b>	Specific target organ toxicity
<b>TLV</b>	Threshold Limit Value
<b>TSCA</b>	Toxic Substance Control Act
<b>TWA:</b>	Time Weighted Average
<b>US DOT:</b>	United States Department of Transportation

**PREPARATION INFORMATION:**

This update supersedes all previously released documents.

**DISCLAIMER:**

The information and recommendations contained within this publication have been compiled from sources believed to be reliable and to represent the best information available to Chip Quik at the time of issue. No warranty, guarantee, or representation is made by Chip Quik nor does Chip Quik assume any responsibility in connection there within; nor can it be assumed that all acceptable safety measures or other safety measures may not be required under particular or exceptional conditions or circumstances. The data on this Safety Data Sheet relates only to this product and does not relate to use with any other material or in any process. All chemical products should be used only by, or under the direction of, technically qualified personnel who are aware of the hazards involved and necessity for reasonable care in handling. Hazard communication regulations require that employees must be trained on how to use a Safety Data Sheet as a source for hazard information.