

SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Name: SILICONE COMPOUND

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Type: Specialty Chemicals
Product Name: **SILICONE COMPOUND**
Part Number(s): 10-568, 10-8101, 10-8102

Emergency Contact: **Chemtrec**
Phone: **(800) 424-9300**



SECTION 2. HAZARDS IDENTIFICATION

· **Classification of the substance or mixture**

The product is not classified, according to the Globally Harmonized System (GHS).

- Label elements
- GHS label elements Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void
- Classification system:
- NFPA ratings (scale 0 - 4)

· **NFPA ratings (scale 0 - 4)** · **HMIS-ratings (scale 0 - 4)**

	Health = 1 Fire = 1 Reactivity = 0		Health = 1 Fire = 1 Reactivity = 0
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- Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- **Chemical characterization: Mixture**
- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:** Void

SECTION 4. FIRST AID MEASURES

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5. FIRE-FIGHTING MEASURES

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.



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SECTION 6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **Reference to other sections**
 See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

· **Protective Action Criteria for Chemicals**

· PAC-1:		
63148-62-9	Dimethylpolysiloxane	65 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	18 mg/m ³
115-77-5	pentaerythritol	30 mg/m ³
102-24-9	Trimethoxyboroxine	15 mg/m ³
· PAC-2:		
63148-62-9	Dimethylpolysiloxane	720 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	740 mg/m ³
115-77-5	pentaerythritol	90 mg/m ³
102-24-9	Trimethoxyboroxine	170 mg/m ³
· PAC-3:		
63148-62-9	Dimethylpolysiloxane	4,300 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m ³
115-77-5	pentaerythritol	540 mg/m ³
102-24-9	Trimethoxyboroxine	1,000 mg/m ³

SECTION 7. HANDLING AND STORAGE

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
 The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**
 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Not required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Pasty
 Color: Hazy
 Odor: Odorless

· **Odor threshold:** Not determined.

· **pH-value:** Not applicable.

· **Change in condition**

Melting point/Melting range: Undetermined.
 Boiling point/Boiling range: Undetermined.

· **Flash point:** >260 °C (>500 °F)

· **Flammability (solid, gaseous):** Not determined.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**
 Lower: Not determined.
 Upper: Not determined.

· **Vapor pressure:** Not applicable.

· **Density at 20 °C (68 °F):** 1.02 g/cm³ (8.5119 lbs/gal)

· **Relative density** Not determined.

· **Vapor density** Not applicable.

· **Evaporation rate** Not applicable.

· **Solubility in / Miscibility with Water:** Insoluble.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**
 Dynamic: Not applicable.
 Kinematic: Not applicable.

· **Solvent content:**

Solids content: 100.0 %

· **Other information** No further relevant information available.



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SECTION 10. STABILITY AND REACTIVITY

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: silica, carbon oxides and traces of incompletely burned carbon compounds, formaldehyde.

SECTION 11. TOXICOLOGICAL INFORMATION

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **NTP (National Toxicology Program)**
None of the ingredients is listed.
- **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

SECTION 12. ECOLOGICAL INFORMATION

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

SECTION 13. DISPOSAL CONSIDERATIONS

- **Waste treatment methods**
- **Recommendation:**
Smaller quantities can be disposed of with household waste.
Disposal must be made according to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.



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SECTION 14. TRANSPORT INFORMATION

· UN-Number		· Packing group	
· DOT, ADN, IMDG, IATA	not regulated	· DOT, IMDG, IATA	not regulated
· UN proper shipping name		· Environmental hazards:	Not applicable.
· DOT, ADN, IMDG, IATA	not regulated	· Special precautions for user	Not applicable.
· Transport hazard class(es)		· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· DOT, ADN, IMDG, IATA		· UN "Model Regulation":	not regulated
· Class	not regulated		
· Packing group			
· DOT, IMDG, IATA	not regulated		

SECTION 15. REGULATORY INFORMATION

· Safety, health and environmental regulations/legislation specific for the substance or mixture	
· Sara	
· Section 355 (extremely hazardous substances):	· Carcinogenic categories
None of the ingredients is listed.	· EPA (Environmental Protection Agency)
· Section 313 (Specific toxic chemical listings):	None of the ingredients is listed.
None of the ingredients is listed.	· TLV (Threshold Limit Value established by ACGIH)
· TSCA (Toxic Substances Control Act):	None of the ingredients is listed.
All components have the value ACTIVE.	· NIOSH-Ca (National Institute for Occupational Safety and Health)
· Hazardous Air Pollutants	None of the ingredients is listed.
None of the ingredients is listed.	· GHS label elements Void
· Proposition 65	· Hazard pictograms Void
· Chemicals known to cause cancer:	· Signal word Void
None of the ingredients is listed.	· Hazard statements Void
· Chemicals known to cause reproductive toxicity for females:	· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.
None of the ingredients is listed.	
· Chemicals known to cause reproductive toxicity for males:	
None of the ingredients is listed.	
· Chemicals known to cause developmental toxicity:	
None of the ingredients is listed.	

SECTION 16. OTHER INFORMATION

· Abbreviations and acronyms:	
IMDG: International Maritime Code for Dangerous Goods	HMIS: Hazardous Materials Identification System (USA)
DOT: US Department of Transportation	PBT: Persistent, Bioaccumulative and Toxic
IATA: International Air Transport Association	vPvB: very Persistent and very Bioaccumulative
ACGIH: American Conference of Governmental Industrial Hygienists EINECS:	NIOSH: National Institute for Occupational Safety
European Inventory of Existing Commercial Chemical Substances ELINCS:	OSHA: Occupational Safety & Health
European List of Notified Chemical Substances	TLV: Threshold Limit Value
CAS: Chemical Abstracts Service (division of the American Chemical Society)	PEL: Permissible Exposure Limit
NFPA: National Fire Protection Association (USA)	REL: Recommended Exposure Limit

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