

NANOLAB.

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**Trade name:** QUARTZ99.**SECTION 1: Identification****Product identifier used on the label:****Product Name:** QUARTZ99.**Other means of identification:****Product Code Number:****Recommended use of the chemical and restrictions on use:****Recommended use:** Exterior Car Ceramic Coating for Clear Coat**Recommended restrictions:** Uses other than as recommended above.**Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:**

**Company Name:** MFZM LTD  
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Rishon Le Zion, 7565235  
Israel  
**Company Telephone:** +972 (0) 50 7337335  
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**SECTION 2: Hazard(s) identification****UNITED STATES:****Classification of the chemical in accordance with paragraph (d) of §1910.1200:*****Physical hazards***

Not classified as hazardous

***Health hazards***

Not classified as hazardous

***Environmental hazards***

Not adopted under OSHA paragraph (d) of §1910.1200

**GHS Signal word:** None required.**GHS Hazard statement(s):** None required.**GHS Hazard symbol(s):** None required.**GHS Precautionary statement(s):**

**Prevention:**

- Keep out of reach of children.

**Response:** None required.**Storage:** None required.**Disposal:** None required.**Hazard(s) not otherwise classified (HNOC):**

None known.

**Percentage of ingredient(s) of unknown acute toxicity:**

&lt;6% of the mixture consists of ingredients of unknown acute toxicity (inhalation).

**SECTION 3: Composition/information on ingredients****Mixture:**

Chemical name	CAS#	Concentration (weight %)
Dimethylpolysiloxane	63148-62-9	<6%
Toluene	108-88-3	<1%

\*Note: The exact concentration has been withheld as a trade secret.

The balance of the ingredients is not classified as hazardous or are below the concentration limit to be classified as hazardous, under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

**SECTION 4: First-aid measures****Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:**

**Inhalation:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. If feeling unwell, call a poison control center or doctor for further treatment advice.

**Skin contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 10-15 minutes. If feeling unwell, call a poison control center or doctor for further treatment advice.

**Eye contact:** Hold eye open and rinse slowly and gently with water for 10-15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. If feeling unwell, call a poison control center or doctor for further treatment advice.

**Ingestion:** Rinse mouth. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person. If feeling unwell, call a poison control center or doctor for further treatment advice.

**Most important symptoms/effects, acute and delayed:**

Not expected to present a significant hazard under anticipated conditions of normal use.

**Indication of immediate medical attention and special treatment needed:**

Have the product container or label with you when calling a poison control center, doctor, or going for treatment. For non-emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 (NPIC Website: [www.npic.orst.edu](http://www.npic.orst.edu)). For emergencies, call the poison control center 1-800-222-1222.

**SECTION 5: Fire-fighting measures****Suitable (and unsuitable) extinguishing media:**

**Suitable extinguishing media:** Use water spray/fog, alcohol-resistant foam, dry chemical (powder/CO<sub>2</sub>) or carbon dioxide as suitable for surrounding materials.

**Unsuitable extinguishing media:** Do not use direct streams of water such as water jet.

**Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):**

Non-flammable, non-combustible. No direct risk of explosion.

Hazardous combustion products: During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion.

Hazardous combustion products include CO (Carbon monoxide), CO<sub>2</sub> (Carbon dioxide), Oxygen.

**Special protective equipment and precautions for fire-fighters:**

Fight fire from a protected location. Wear self-contained breathing apparatus and protective clothing. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

**SECTION 6: Accidental release measures****Personal precautions, protective equipment and emergency procedures:**

Wear appropriate protective equipment, such as gloves, goggles and protective clothing, as conditions warrant (see Section 8). Ensure adequate ventilation. Evacuate personnel to safe areas. Keep out of the reach of children.

See Sections 2 and 7 for additional information on hazards and precautionary measures.

**Environmental Hazards**

Prevent entry to sewers and public waters. If the product enters drains or sewers, notify the appropriate local/national authorities.

**Methods and materials for containment and cleaning up:**

Pick up and arrange disposal without creating dust. Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal.

Prevent further leakage or spillage if safe to do so. Do not let product enter the drains. Do not allow to enter streams, rivers or any other waterways.

**SECTION 7: Handling and storage****Precautions for safe handling:**

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

**Conditions for safe storage, including any incompatibles:**

Keep only in the original container in a cool, dry place. Keep away from direct sunlight. Keep container closed when not in use.

**SECTION 8: Exposure controls/personal protection**

**OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.**

<b>US OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200) (Table Z-1 Limits for Air Contaminants):</b>		
<b>Substance</b>	<b>PEL-TWA (8 hour)</b>	<b>PEL-STEL (15 min)</b>
Dimethylpolysiloxane	None known	None known
Toluene	200 ppm 300 ppm Ceiling	150 ppm

<b>US ACGIH Threshold Limit Values</b>		
<b>Substance</b>	<b>TLV-TWA (8 hour)</b>	<b>TLV-STEL (15 min)</b>
Dimethylpolysiloxane	None known	None known
Toluene	20 ppm	None known

**Appropriate engineering controls:** During industrial use; use material in well-ventilated area only. Good general ventilation (typically 10 air changes per hour) should be sufficient in most cases. Ventilation rates should be matched to conditions. Maintain airborne levels to an acceptable level. Use appropriate personal protective equipment and clothing.

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** No special personal protection is necessary.

**Skin and hand protection:**

- Long-sleeved shirt and long pants
- Shoes plus socks

Some materials that are chemical-resistant to this product are polyvinyl chloride, nitrile rubber, or butyl rubber. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart.

**Respiratory protection:** Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US).

Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

**General hygiene considerations:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## SECTION 9: Physical and chemical properties

### Appearance (physical state, color, etc.):

<b>Physical state:</b>	liquid
<b>Color:</b>	clear
<b>Odor:</b>	characteristic
<b>Odor threshold:</b>	No data available
<b>pH:</b>	5.0
<b>Melting point/freezing point:</b>	No data available
<b>Initial boiling point and boiling range:</b>	No data available
<b>Flash point:</b>	No data available
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available

### Upper/lower flammability or explosive limits

<b>Flammability limit – lower (%):</b>	No data available
<b>Flammability limit – upper (%):</b>	No data available
<b>Explosive limit – lower (%):</b>	No data available
<b>Explosive limit – upper (%):</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Bulk density:</b>	No data available
<b>Relative density (Specific gravity):</b>	No data available
<b>Solubility (ies):</b>	No data available
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity (dynamic):</b>	No data available

## SECTION 10: Stability and reactivity

<b>Reactivity:</b>	Stable under normal conditions of use.
<b>Chemical stability:</b>	Not determined.
<b>Possibility of hazardous reactions:</b>	Not determined.
<b>Conditions to avoid:</b>	Extremely high or low temperatures.
<b>Incompatible materials:</b>	None known.

**Hazardous decomposition products:** None known.

**SECTION 11: Toxicological information**

**Information on likely routes of exposure:**

**Inhalation:** Expected to be a route of entry.  
**Ingestion:** Expected to be a route of entry.  
**Skin:** Expected to be a route of entry.  
**Eyes:** Expected to be a route of entry.

**Target Organs:** None known.

**Symptoms related to the physical, chemical, and toxicological characteristics:**

Not expected to present a significant hazard under anticipated conditions of normal use.

**Delayed and immediate effects and chronic effects from short or long-term exposure:**

None known.

**Numerical measures of toxicity (such as acute toxicity estimates):**

**Ingredient Information:**

Substance	Test Type (species)	Value
Dimethylpolysiloxane	LD <sub>50</sub> Oral (Rat)	> 17000 mg/kg
	LD <sub>50</sub> Dermal (Rabbit)	> 2000 mg/kg
	LC <sub>50</sub> Inhalation (Rat)	No data available
Toluene	LD <sub>50</sub> Oral (Rat)	5,580 mg/kg
	LD <sub>50</sub> Dermal (Rabbit)	12,400 mg/kg
	LC <sub>50</sub> Inhalation (Rat)	28.1 mg/L ,4h (vapor)

**Skin corrosion/irritation:** Not expected to cause skin corrosion/irritation.

**Serious eye damage/eye irritation:** Not expected to cause serious eye damage/irritation.

**Respiratory sensitization:** Not expected to cause respiratory sensitization.

**Skin sensitization:** Not expected to cause allergic reactions.

**Germ cell mutagenicity:** No information available on the mixture, however none of the components have been classified for germ cell mutagenicity (or are below the concentration threshold for classification).

**Carcinogenicity:** This product does not contain any ingredient designated as probable or suspected human carcinogens by: NTP, IARC, OSHA, ACGIH.

**Reproductive toxicity:** Not expected to cause reproductive toxicity.

**Specific target organ toxicity-  
Single exposure:**

Not expected to cause specific target organ toxicity after a single exposure.

**Specific target organ toxicity-  
Repeat exposure:**

Not expected to cause specific target organ toxicity after repeated exposure.

**Aspiration hazard:**

Not expected to be an aspiration hazard if swallowed.

## SECTION 12: Ecological information

**Ecotoxicity (aquatic and terrestrial, where available):**

**Product data:** This pesticide is toxic to birds. This product is highly toxic to bees and other beneficial insects exposed to direct contact on blooming crops or weeds.

**Ingredient Information:**

Substance	Test Type	Species	Value
Dimethylpolysiloxane	LC <sub>50</sub>	Fish	No data available
	EC <sub>50</sub>	Daphnia magna (Water flea)	No data available
	EC <sub>50</sub>	Algae	No data available
Toluene	LC <sub>50</sub>	Fish - <i>Oncorhynchus mykiss</i>	5.89 - 17.16 mg/L, 96 h
	EC <sub>50</sub>	Daphnia magna (Water flea)	3.78 mg/L, 48 h
	ErC <sub>50</sub>	Algae - <i>Pseudokirchneriella subcapitata</i>	12.5 mg/L, 96 h

**Persistence and Degradability:**

Not determined.

**Bioaccumulative Potential:**

Not determined.

**Mobility in Soil:**

No data available.

**Other adverse effects (such as  
hazardous to the ozone layer):**

Avoid unnecessary release to the environment.

## SECTION 13: Disposal considerations

**Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging.**

**Product**

Dispose of waste materials in accordance with applicable local and national laws and regulations. Where possible, recycling is preferred to disposal or incineration. Contact the proper local authorities.

**Contaminated packaging**

Since emptied containers retain product residue, follow label warnings even after container is emptied. Dispose of as unused product.

## SECTION 14: Transport Information

### US Department of Transportation Classification (49CFR)

**UN Number:** Not regulated

**UN proper shipping name:**

**Transport hazard class(s):**

**Packing group:**

### IMDG (Transport by sea)

**UN Number:** Not regulated

**UN proper shipping name:**

**Transport hazard class(s):**

**Packing group:**

### IATA (Transport by air) (Country variations may apply)

**UN Number:** Not regulated

**UN proper shipping name:**

**Transport hazard class(s):**

**Packing group:**

### Environmental hazards

Marine pollutant: No

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

No further relevant information available.

### Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.

No data available.

## SECTION 15: Regulatory Information

### USA:

**United States Federal Regulations:** This SDS complies with the OSHA, 29 CFR 1910.1200. The product is hazardous under OSHA.

**Toxic Substances Control Act (TSCA):** All the ingredients are listed/registered or exempted on the U.S. EPA TSCA Inventory List.

### STATE REGULATIONS:

This SDS does not contain specific health and safety data that is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

### SARA 302 Components:

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 313 Components:

SARA 313: Toluene is subject to the reporting requirements by SARA Title III, Section 313.



**California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986) Components:**



**WARNING:** This product can expose you to chemicals, including toluene which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**Massachusetts Right to Know Components:**

None of the ingredients are listed on the Massachusetts Right to Know list.

**New Jersey Right to Know Components:**

Toluene is listed on the New Jersey Right to Know list.

**Pennsylvania Right to Know Components:**

Toluene is listed on the Pennsylvania Right to Know list.

**SECTION 16: Other Information**

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DISCLAIMER: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 1910.1200. To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.