

MATERIAL SAFETY DATA SHEET

SPITA ResQ-mold

SECTION 1. CHEMICAL PRODUCT & COMPANY INFORMATION

DATE 01-11-2021

Product Name: SPITA ResQ-mold
(Silicone moldable putty)

Chemical Family: Silicone

Supplier's Name: SPITA Smart Products B.V.

Address: Industrieweg 18-9
3846 BD Harderwijk
The Netherlands

Telephone No.: +31 341 414 993

Recommended Use: Moldable putty

Uses advised against: No information available


NEPA-704 Hazard Rating: 4 – Extreme 3 – High 2 – Moderate 1 – Slight 0 – Minimal *- Chronic Health Hazard (See Section V)	Health 1
	Fire 1
	Reactivity 0

SECTION 2. HAZARD(S) IDENTIFICATION

Classification:

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (CFR Title 29 1910.1200)

GHS label elements, including precautionary statements:

EMERGENCY OVERVIEW	
<p>Hazard Statement</p>  <p>Suspected of causing cancer</p>	<p>The article contains a substance which is suspected of hazardous to health.</p>

Appearance: Putty like

Physical State: Solid

Odor: Slight

Precautionary statements – Prevention: Obtain special instructions before use. Do NOT HANDLE until all safety precautions have been read and understood. Use personal protective equipment as required.

Precautionary statements – Response: If exposed or concerned: Get medical advice/attention.

Precautionary statements – Storage: Store securely in a locked cool and dry place away from sources of heat.

Precautionary statements – Disposal: Dispose of contents/containers to an approved waste disposal plant.

Hazards not otherwise classified (HNOC): Not applicable.

Unknown toxicity: 76,96% of the mixture consists of ingredient(s) of unknown toxicity.

Other information: No information available.

Interactions with other chemicals: No information available.

SECTION 3. EXACT COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization:

<i>Material</i>	<i>Cas No.:</i>	<i>Weight %*</i>
Silica	7631-86-9	10 – 30
Amorphous Silica	7631-86-9	< 70
Carbon	1333-86-4	< 1

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Eye contact: Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

Skin contact: Wash with soap and water.

Inhalation: Remove to fresh air.

Ingestion: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and declared: No information available.

Indication of any immediate medical attention and special treatment needed:

Notes to physician: Treat symptomatically

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media in case of fire: Use a carbon dioxide or dry chemical extinguisher to extinguish as well as media which are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: **CAUTION:** Use of water spray when fighting fire may be insufficient.

Specific hazards arising from the chemical: No information available.

Hazardous combustion products: Carbon oxides.

Explosion data:

Sensitivity to mechanical impact: NO

Sensitivity to static discharge: NO

Protective equipment and precaution measures for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full body protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with the eyes.

Other information: Refer to protective measures listed in Sections 7 & 8.

Environmental precautions: Refer to protective measures listed in Sections 7 & 8.

Methods for containment and cleaning up: Prevent further spillage if safe to do so and transfer to properly labeled containers.

SECTION 7. HANDLING AND STORAGE

Handling:	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.
Storage:	Store securely in a tightly closed container in a cool and dry place.
Incompatible products:	No special storage requirements.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Silica 7631-86-9	--	TWA: 20 mppcf 80/% SiO ₂) mg/m ³ TWA	IDLH: 3000 mg/m ³ TWA: 6 mg/m ³
Carbon 1333-86-4	TWA: 3 mg/m ³ inhalable fraction	TWA: 3,5 mg/m ³ (vacated) TWA: 3,5 mg/m ³	IDL H: 1750 mg/m ³ TWA: 3,5 mg/m ³ TWA: 0,1 mg/m ³ polycyclic Aromatic hydrocarbons PAH

ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value

OSHA PEL : Occupational Safety and Health Administration – Permissible Exposure Limits (immediately dangerous to life or health)

NIOSH IDLH: National Institute for Occupational Health & Safety – Immediately Dangerous to Life or Health.

Appropriate engineering controls

Engineering measures: Showers, eyewash stations, ventilation systems.

Individual protection measures

Eye / face protection:	No special protective equipment required.
Skin / body protection:	Wear protective gloves and protective clothing.
Respiratory protection:	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Physical state:	<i>Solid</i>	Odor:	<i>Slight</i>
Appearance:	<i>Moldable putty</i>	Odor threshold:	<i>No information available</i>
Melting/freezing point:	<i>No data available</i>	pH:	<i>No data available</i>
Flash point:	<i>No data available</i>	Boiling point / range:	<i>No data available</i>
Flammability:	<i>No data available</i>	Evaporation rate:	<i>No data available</i>
Vapor pressure:	<i>No data available</i>	Upper flammability limit	<i>No data available</i>
Vapor density:	<i>No data available</i>	Lower flammability limit	<i>No data available</i>
Specific gravity:	<i>1,15</i>	Water solubility:	<i>No data available</i>

Solubility in other solvents:	<i>No data available</i>	Partition coefficient:	<i>No data available</i>
Auto ignition temperature:	<i>No data available</i>	Decomposition temperature:	<i>No data available</i>
Kinematic viscosity:	<i>No data available</i>	Dynamic viscosity:	<i>No data available</i>
Explosive properties:	<i>No data available</i>	Oxidizing properties:	<i>No data available</i>
Softening point:	<i>No data available</i>	VOC content (%):	<i>No data available</i>
Particle Size	<i>No data available</i>	Particle size distribution:	<i>No data available</i>
Color:	<i>Grey, black or red</i>		

SECTION 10. STABILITY & REACTIVITY

Reactivity:	Considered non-reactive.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	None under normal processing.
Hazardous polymerization:	Hazardous polymerization does not occur.
Conditions to avoid:	None known based on information supplies.
Incompatible materials:	None known based on information supplies.
Hazardous decomposition products:	Carbon oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Product information:

Inhalation:	Specific test data for the substance or mixture is not available.
Eye contact:	Specific test data for the substance or mixture is not available.
Skin contact:	Specific test data for the substance or mixture is not available.
Ingestion:	Specific test data for the substance or mixture is not available.

Component information:

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Silica 7631-86-9	>5000 mg/kg	>2000 mg/kg	>2,2 mg/l
Carbon 1333-86-4	>15400 mg/kg	>3 g/kg	

Information on toxicological effects:

Symptoms:	No information available.
Sensitization:	No information available.
Mutagenic effects:	No information available.
Carcinogenicity:	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Silica 7631-86-9		Group 3		
Carbon 1333-86-4	A3	Group 2B		X

ACGIH: American Conference of Governmental Industrial Hygienists

A3 = Animal Carcinogen

IARC: International Agency for Research on Cancer

Group 2B = Possibly carcinogenic to humans

Group 3 = Not classifiable as to carcinogenicity in humans

OSHA: Occupational Safety and Health Administration

X = Present

Reproductive toxicity: No information available.
STOT – single exposure: No information available.
STOT – repeated exposure: No information available.

Chronic toxicity: No known effect based on information supplied. Contains a known or Suspected carcinogen. The used carbon has been classified by the IARC (International Agency for Research on Cancer) as possibly carcinogenic to humans (group 2B) by inhalation.

Target organ effects: Respiratory system; eyes; skin; gastrointestinal tract.
Aspiration hazard: No information available.

Numerical measures of toxicity product information:

The following values are calculated based on chapter 3.1 of the GHS document:
NOT applicable

SECTION 12. ECOLOGICAL INFORMATION

Eco toxicity

The environmental impact of this product has not been fully investigated.

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to microorganism	Daphnia Magna (water flea)
Silica 7631-86-9	72h EC50 = 440 mg/L	96h LC50 = 5000 mg/L		48h EC50 = 7600 mg/L
Carbon 1333-86-4				24h EC50 = 5600 mg/L

Persistence and degradability: No information available.
Other adverse effects: No information available.

SECTION 13. DISPOSAL INFORMATION

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Dispose of article waste and packaging in a proper trash receptacle in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

This article is not regulated per U.S. DOT, IATA or IMO.

SECTION 15. REGULATORY INFORMATION:

INTERNATIONAL INVENTORIES

TSCA – United States Toxic Substances Control Act Section 8 (b) Inventory: Complies
DSL: All components are listed either on the DSL or NDSL

US FEDERAL REGULATIONS

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This article does not contain chemicals in a physical state that are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic health hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

CLEAN WATER ACT

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material as supplied does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

REACH

All information is in accordance with EU – regulations.

SECTION 16. OTHER INFORMATION

NFPA	Health hazards: 0	Flammability: 0	Instability: 0	Special hazards: None
HMIS	Health hazards: 1	Flammability: 0	Physical hazard: 0	Personal protection – X (see PPE)

DISCLAIMER OF LIABILITY:

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End of Material Data Safety Sheet
