Safety Data Sheet
According to 1907/2006/EC, Article 31

Printing date 02082024 *Revision: 02082025*

· **Trade name: RTV Silicone-condenssation Moulding SLICONE Catalyst-TIN**

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· **1.1 Product identifier**

· **Trade name: RTV2 Silicone condensation Moulding SILICONE Catalyst**

· **Utilization of the substance of the formulation:** Catalyst for liquid silicone
· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Application for the substance / the preparation** Silicone moulding rubber
· **Uses advised against** None

· **1.3 Details of the supplier of the safety data sheet**
· Dentaluk Supplies Ltd, Belvedere, Kent, DA17 5 QH, UK
· Tel: +44 (0) 203 490 2909
· Email: admin@xcem.co.uk
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· EMERGENCY LINE: +44 (0) 203 490 2909
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SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008 as amended by GB-CLP**
· **Regulation, UK SI 2019/720, and UK SI 2020/1567**
· Acute toxicity, Oral (Category 4), H302
· Skin irritation (Category 2), H315
· Eye irritation (Category 2), H319
· Specific target organ toxicity - repeated exposure, Oral (Category 2), Bladder, H373
· Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008 as amended by GB-CLP**
· **Regulation, UK SI 2019/720, and UK SI 2020/1567**
The product is classified and labelled according to the CLP regulation.
· **Hazard pictograms**

GHS07

· **Signal word** Warning
· **Hazard statements**
H315 Causes skin irritation
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H373 May cause damage to organs (Bladder) through prolonged or repeated exposure if swallowed.
· **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

(Contd. of page 1)

Prevention Precautions
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P261 Avoid breathing mist or vapors.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection.
Response Precautions
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 +P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER doctor/physician if you feel unwell.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing.
Storage Precautions
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
Disposal Precautions
P501 Dispose of contents/container according to local laws.

· ***2.3 Other hazards***
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher

SECTION 3: Composition/information on ingredients

· ***3.2 Chemical characterization: Mixture***
· ***Description:*** *Mixture of substances listed below with non-hazardous additions.*

Dangerous components:			
CASRN / EC-No.	***Component***	***Concentration***	***Classification: REGULATION (EC) No 1272/2008***
CASRN: 2996-92-1 *EC no: 221-066-9*	*Trimethoxyphenylsilane*	*20-50%*	*Flam. Liq. 3; Acute Tox. 4;* *STOT RE 2; H226, H302, H373*
CASRN: 682-01-9 *EC no: 211-659-0*	*Tetrapropyl orthosilicate*	*20-40%*	*Skin Irrit. 2; Eye Irrit. 2;* *STOT SE 3; H315, H319, H335*
CASRN: 2943-75-1 *EC no: 220-941-2*	*Triethoxyoctylsilane*	*0-10%*	*Skin Irrit. 2; H315*

· ***Additional information:*** *For the wording of the listed risk phrases refer to section 16.*

SECTION 4: Firefighting measures

· **4.1 Description of first aid measures**
· **Inhalation:** Remove source(s) of contamination and move victim to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact physician immediately.
· **Eye Contact:** Flush eyes with plenty of water. If irritation persists, seek medical attention.
· **Skin Contact:** In case of skin contact, wash thoroughly with soap and water.
· **Ingestion:** Do not induce vomiting unless instructed by a physician. Never give anything by mouth to an unconscious person.
· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.
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SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released: Carbon oxides. Silicone oxides. Formaldehyde. Metal oxides (NOX)
· **5.3 Advice for firefighters**
· **Protective equipment:** Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
· **Additional information**
Collect contaminated firefighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

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· **6.1 Personal precautions, protective equipment and emergency procedures**
Advice for non-emergency personnel: Wear protective equipment. Keep unprotected persons away. Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation.
· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
· **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
· **6.4 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.

(Contd. on page 4)

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** provide for best ventilation in the work space
· **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect from heat and water.
Protect against electrostatic charges.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Keep container tightly closed and dry and storage in a good ventilated room.
· **Information about storage in one common storage facility:**
Do not store together with oxidising and acidic materials.
· **Further information about storage conditions:**
Store in dry conditions.
Protect from frost.
· **Storage class:** 10
· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters:** None defined.
· **Additional information:** The lists valid during the making were used as basis.
· **8.2 Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
· **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
· **Protection of hands:**
Preventive skin protection (3-point program) required
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 cannot 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.
· **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**
Natural rubber, NR
· **Eye protection:**
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Tightly sealed goggles
· **Body protection:** Protective work clothing

(Contd. on page 5)

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Liquid
Colour:	Transparent / Purple
· **Odour:**	Characteristically sweet
· **Odour threshold:**	Not determined
· **pH-value:**	
Melting point/Melting range:	Not applicable
Boiling point/Boiling range:	>156°C
· **Flash point:**	63°C (Closed cup) not sustained combustion
· **Flammability (solid, gaseous):**	Not determined
· **Ignition temperature:**	Not determined
· **Decomposition temperature:**	Not determined
· **Self-igniting:**	Not determined
· **Danger of explosion:**	Not determined
· **Explosion limits:**	
Lower:	Not determined
Upper:	Not determined
· **Vapour pressure:**	Not determined
· **Density at 20 °C:**	Not determined
· **Relative density**	Not determined
· **Vapour density**	Not determined
· **Evaporation rate**	Not determined
· **Solubility in / Miscibility with water:**	Insoluble in water
· **Viscosity:**	Not determined
· **Solvent content:**	
Organic solvents:	None
VOC (EC)	None
· **9.2 Other information**	No further relevant information available.

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions** No dangerous reactions known.
· **10.4 Conditions to avoid** No further relevant information available.
· **10.5 Incompatible materials:** water
· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

(Contd. on page 6)

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity** Based on available data, the classification criteria are not met.
· **Primary irritant effect:**
· **Skin corrosion/irritation** No data available
· **Serious eye damage/irritation** Causes serious eye irritation.
· **Respiratory or skin sensitisation** No data available
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)** No data available
· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
· **Carcinogenicity** Based on available data, the classification criteria are not met.
· **Reproductive toxicity** 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.
· **Potential health effects:**
· **Inhalation** May be harmful if inhaled. Causes respiratory tract irritation.
· **Ingestion** May be harmful if swallowed.
· **Skin** May be harmful if absorbed through skin. Causes skin irritation.
· **Eyes** Causes serious eye irritation.
· **Signs and Symptoms of Exposure** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
· **Additional Information** RTECS: Not available

SECTION 12: Ecological information

· **12.1 Toxicity**
· **12.2 Persistence and degradability** No further relevant information available.
· **Other information:** Elimination by adsorption onto activated sludge
· **12.3 Bio accumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available. .
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Other adverse effects** No further relevant information available.

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SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Do not allow product to reach sewage system.
After prior treatment product has to be landfilled adhering to the regulations pertaining to the disposal of waste.
· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.

(Contd. on page 7)

SECTION 14: Transport information

· **14.1 UN-Number**	
· **ADR, ADN, IMDG, IATA**	Void
· **14.2 UN proper shipping name**	
· **ADR, ADN, IMDG, IATA**	Void
· **14.3 Transport hazard class(es)**	
· **ADR, ADN, IMDG, IATA**	
· **Class**	Void
· **14.4 Packing group**	
· **ADR, IMDG, IATA**	Void
· **14.5 Environmental hazards:**	
· **Marine pollutant:**	No
· **14.6 Special precautions for user**	Not applicable.
· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.
· **UN "Model Regulation":**	Void

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**

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· **Signal word** Warning
· **Hazard statements**
H319 Causes serious eye irritation.
H315 Causes skin irritation
H335 May cause respiratory irritation.
· **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Waterhazard class:** None
· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.
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SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation
H319 Causes serious eye irritation.
H335 May cause respiratory irritation H226 Flammable liquid and vapour.
H412 Harmful to aquatic life with long lasting effects.

· ***Department issuing MSDS:*** *environment protection department*

· ***Abbreviations and acronyms:***

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

PBT: Persistent, Bio accumulative and Toxic
vPvB: very Persistent and very Bio accumulative

Flam. Liq. 3: Flammable liquids, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category
2 Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3