

## Safety Data Sheet

According to 1907/2006/EC, Article 31

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

- **1.1 Product identifier**
- **Trade name:** RTV Silicone Thixotropic Additive
  
- **Utilization of the substance of the formulation:** Viscosity modifying 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**
- **Supplier:**
- Dentaluk Supplies Ltd, Belvedere, Kent, DA17 5 QH, UK
- Tel: +44 (0) 203 490 2909
- Email: [admin@xcem.co.uk](mailto:admin@xcem.co.uk)
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- **1.4 Emergency telephone number:** +44 (0) 203 490 2909

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
*The product is not classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).*

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- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
*The product is classified and labelled according to the CLP regulation.*
- **Hazard pictograms**  
*Not applicable*
- **Signal word**  
*Not applicable*
- **Hazard statements**  
*Not applicable*
- **Precautionary statements**
- **Response Precautions**  
*P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*  
*P337 + P313 If eye irritation persists: Get medical advice/attention.*
- **Storage Precautions**  
*P233 Keep container tightly closed.*
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable

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**Trade name: RTV Silicone Thixotropic Additive**

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### SECTION 3: Composition/information on ingredients

#### · 3.2 Chemical characterization: Mixture

##### **Description:**

The product is not classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

### SECTION 4: Firefighting measures

#### · 4.1 Description of first aid measures

· **General Advice:** Remove/take off contaminated clothes immediately.

· **If inhaled:** Move the victim to fresh air

· **In case of skin contact:** Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical advice/attention.

· **Eye Contact:** Flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention immediately.

· **Ingestion:** Immediately call a poison centre or doctor/physician.

· **4.2 Most important symptoms and effects, both acute and delayed:** The possible symptoms known are those derived from the labelling. No additional symptoms known.

· **4.3 Indication of any immediate medical attention and special treatment needed:**  
None known.

### SECTION 5: Firefighting measures

#### · 5.1 Extinguishing media

· **Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Unsuitable extinguishing agents:** High volume water jet.

· **5.2 Special hazards arising from the substance or mixture:** In case of fire hazardous decomposition products may be produced are carbon monoxide, carbon dioxide (CO<sub>2</sub>). Combustion gases of organic materials must in principle be graded as inhaled poisons.

#### · 5.3 Advice for firefighters

· **Protective equipment:** Wear self-contained respiratory protective device.

· **Additional information:** Wear suitable protective equipment.

### SECTION 6: Accidental release measures

#### · 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment.

· **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.

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## SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Avoid eye contact.
- **Information about fire - and explosion protection:**
  - Keep ignition sources away - Do not smoke.
  - Protect from heat.
  - 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.
  - Storage temperature: 15 - 25 °C.
- **Information about storage in one common storage facility:**
  - Store in dry conditions.
  - Protect from frost.
- **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:**
- **Respiratory protection:** Not necessary.
- **Protection of hands:** Wear protective gloves. PVC Nitrile rubber Neoprene gloves.
- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Wear suitable protective work clothing
- **General protective and hygienic measures:**
  - The usual precautionary measures are to be adhered to when handling chemicals.
  - When using do not eat or drink.
  - Keep away from food and drink.
  - Wash hands before breaks and at the end of workday.
  - Remove/Take off immediately all contaminated clothing.

## SECTION 9: Physical and chemical properties

### · 9.1 Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

**Form:** Liquid  
**Colour:** Clear to cloudy

· **Odour:** Characteristic

· **Odour threshold:** Not determined

· **pH-value:** Approx. 7 (Concentration: 10g/l @ 20°C Method: DIN EN 1262)

**Melting point/Melting range:** Not applicable

**Boiling point/Boiling range:** 250°C

· **Flash point:** 200°C (Open cup Method: DIN/ISO 2592)

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

· **Ignition temperature:** Not determined

· **Decomposition temperature:** >352°C Heating rate: 3 k/min Method: DSC.

· **Self-igniting:** Not determined

· **Danger of explosion:** Not explosive

#### · Explosion limits:

**Lower:** Not determined

**Upper:** Not determined

· **Vapour pressure:** <0.1 hPa (20°C)

· **Density at 20 °C:** 0.99 g/cm<sup>3</sup>

· **Relative density** Not determined

· **Vapour density** Not determined

· **Evaporation rate** Not determined

· **Solubility in / Miscibility with water:** Soluble 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 dangerous reaction known under conditions of normal use.

· **10.2 Chemical stability:** Stable under normal conditions.

· **Thermal decomposition / conditions to be avoided:** >352°C Heating rate: 3 k/min Method: DSC.

· **10.3 Possibility of hazardous reactions** No dangerous reactions known.

· **10.4 Conditions to avoid:** None known.

· **10.5 Incompatible materials:** None known.

· **10.6 Hazardous decomposition products:** When handled and stored appropriately no dangerous decomposition products known.

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute oral toxicity:** LD50 (Rat): >2000mg/kg
- **Primary irritant effect:**
- **Skin corrosion/irritation** Species: Rabbit Result: No skin irritation.
- **Serious eye damage/irritation** Species: Rabbit Result: No skin irritation.
- **Respiratory or skin sensitisation** No data available
- **CMR effects (carcinogenicity, 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** None.
- **Ingestion** None.
- **Skin** None.
- **Eyes** May causes 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:**
- **Fish:** LC50 (Danio rerio (Zebra fish)): 1-10mg/l Exposure time: 96 hours Method: OECD Test Guideline 203
- **Daphnia and other aquatic invertebrates:** No data available.
- **Algae:** No data available.
- **Bacteria:** EC50: > 1000 mg/l Method: DIN 38412 T.8
- **12.2 Persistence and degradability** Readily biodegradable.
- **Biodegradation:** >70% Method: OECD Test Guideline 301B
- **Biodegradation:** >80% Exposure time: 28 days Method: OECD Test Guideline 301A
- **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.

## 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.

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## SECTION 14: Transport information

· <b>14.1 UN-Number</b> · <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>14.2 UN proper shipping name</b> · <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>14.3 Transport hazard class(es)</b> · <b>ADR, ADN, IMDG, IATA</b> · <b>Class</b>	Void
· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b> · <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	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**  
*Not applicable.*
- **Signal word**  
*Not applicable*
- **Hazard statements**  
*Not applicable*
- **Precautionary statements**
- **Response Precautions**  
*P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*  
*P337 + P313 If eye irritation persists: Get medical advice/attention.*
- **Storage Precautions**  
*P233 Keep container tightly closed.*
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **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.*

· **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*