



Tiranti

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

Revision date: September 2025.

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

1.1. Product identifier

Product name RTV640 Silicone Rubber
Product number 403-640 – part A – 500g

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Moulding and Casting, products with prolonged contact on the human body.

1.3. Details of the supplier of the safety data sheet

Manufacturer / Supplier PotteryCrafts Ltd / Tiranti
Campbell Road
Stoke
Stoke-on-Trent.
ST4 4ET
Tel 44 (0)1782 745000
sales@potteryCrafts.co.uk / Enquiries@tiranti.co.uk

1.4. Emergency telephone number

Emergency telephone +44(0) 1782 745000 Office Hours 08:30 – 16:30 hrs Mon-Friday.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification – 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 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

Physical hazards

2.2 Label elements

- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

Precautionary statements

General : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.



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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture – Silicone Elastomer

Chemical Composition	CAS No.	EC No.	Weight (%)
Poly(Vinylmethoxysiloxane)	68037-87-6	----	50-70
Silica	14464-46-1	238-878-4	20-30
Poly(Dimethylsiloxane)	9006-65-9	----	0-30
68478-92-2		270-844-4	

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

General Information: *Normal use does not require special measures.*

4.1. Description of first aid measures

Skin contact

Immediately wash with water and soap and rinse thoroughly. Generally, the product does not irritate the skin. Wear gloves if you prefer, if irritation persists seek medical attention.

Eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

Inhalation

Supply fresh air, consult doctor in case of complaints.

Ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting; call for medical help immediately. If symptoms persist consult doctor.

Protection of First aiders

No action shall be taken involving any personal risk or without suitable training.

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.

Notes To Physician

No further relevant information available.

Specific Treatments

No further relevant information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media

None known.



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5.2. Special hazards arising from the substance or mixture.

Specific hazards

Exposure to combustion products may be a hazard to health. In the case of fire the following can be released: carbon oxide and silicone oxides.

5.3. Advice for firefighters

Protective actions during fire fighting

Wear self-contained respiratory protective device.

Special protective equipment for firefighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

GOT TO HERE - SECTION 6: Accidental release measures.

6.1. Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

6.2. Environmental precautions

Discharge to the environment must be avoided. Do not allow to enter sewers / surface or ground water. Prevent further leaking or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

Absorb with liquid binding materials (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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Technical measures: See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation: Use only with adequate ventilation.

Advice on safe handling: Avoid inhalation of vapour or mist. Do not swallow. Avoid contact with eyes and prolonged or repeated contact with skin. Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.

Hygiene measures: Ensure that eye flushing systems. When using do not eat, drink, or smoke. Wash contaminated clothing before re-use.

7.2. Conditions for safe storage, including any incompatibilities.



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·**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:** Do not store together with oxidising and acidic materials.

·**Further information about storage conditions:** Store in dry conditions. Protect from frost.

7.3. Specific end use(s)

No further information available.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Ingredients with limit values that require monitoring at and in the workplace:

Contains no substances with occupational exposure limit values.

Additional information: The lists valid during the making were used as basis.

8.2. Exposure controls

Protective equipment



Tightly sealed protective goggles.

Appropriate engineering controls No further data; see item 7.

Individual protection measures, such as personal protective equipment.

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not necessary if room is well-ventilated.

Appropriate engineering controls

good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Body protection: Protective work clothing, skin should be washed after contact.

SECTION 9: Physical and Chemical Properties



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9.1. Information on basic physical and chemical properties

Physical state: liquid

Colour: translucent

Odour: none

Odour Threshold: not determined.

pH-value:

Melting point / Freezing point: undetermined.

Initial boiling point and boiling range:

Not determined.

Flammability (solid, gas) non-flammable

Evaporation rate Not Available.

Upper/lower flammability or explosive limits: Not determined.

Flash point >100°C(closed cup)

Auto- ignition temperature: product is not self-igniting.

De-composition Temperature: Not determined.

Viscosity not determined.

Solubility in Water: hardly soluble in water.

Vapour Pressure: Not Available.

Vapour Density: Not Available.

Solvent content:

Organic solvents – none.

VOC(EC) None.

9.2. Other information

No other information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity not classified as a reactivity hazard.

10.2. Chemical stability

Stability Stable under normal conditions of storage and use.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No dangerous reactions known.

10.4. Conditions to avoid Flames, sparks and other sources of ignition, incompatible materials.

10.5. Incompatible materials

Materials to avoid Strong oxidizing agents.

10.6. Hazardous decomposition products Carbon dioxide and silicone oxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

·**Information on likely routes of exposure:** Inhalation, skin contact, ingestion, eye contact.

·**Acute toxicity** Based on available data, the classification criteria are not met.

·**Skin corrosion/irritation:** Based on available data, the classification criteria are not met.

·**Serious eye damage/irritation:** Based on available data, the classification criteria are not met.

·**Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.



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·**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** Based on available data, the classification criteria are not met.

·**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:** None.

SECTION 12: Ecological Information

12.1. Toxicity

12.2 Persistence and degradability: No further relevant information available.

·**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

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1. Waste treatment methods

Recommendation: Dispose of in accordance with local regulations pertaining to the disposal of waste.

Uncleaned packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information



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General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID). Not dangerous cargo. Keep separated from foodstuffs.

14.1. UN number not applicable.

14.2. UN proper shipping name not applicable.

14.3. Transport hazard class (es) not applicable.

14.4. Packing group not applicable.

14.5. Environmental hazards not applicable.

14.6. Special precautions for user not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code not applicable.

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 Not applicable.

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

Water hazard class: None

This material safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. Safety, health and environmental regulations/legislation specific for the substance or mixture.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

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·**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)

Hazard statements in full

This product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use are outside the supplier's control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with. The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of material.

This information relates only to the specific material designated and may not be valid for such material used in combination. With any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate. And reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.