

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name RTV 65 Part A
Product No. 403-820, 403-840 Part A

1.2. Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

1.3. Details of the supplier of the safety data sheet

Supplier PotteryCrafts Ltd.,
Campbell Road,
Stoke on Trent
ST4 4ET.
Tel 44 (0)1782 745000
sales@potteryCrafts.co.uk

1.4. Emergency telephone number

+44(0)1782 745000 (Office Hours 10:00-15:30)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GPCLP regulation.

Hazard pictograms - Void

Signal word - Void

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

2.3. Other hazards

Results of PBT and vPvB assessment

PBT: 540-97-6 Dodecamethylcyclohexasiloxane
vPvB: 540-97-6 Dodecamethylcyclohexasiloxane

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

· Dangerous components:		
CAS: 14808-60-7 EINECS: 238-878-4	Quartz (SiO ₂)	25-50%
	STOT RE 1, H372	
CAS: 68855-54-9 EINECS: 272-489-0 Reg.nr.: 01-2119488518-22	Kieselguhr, soda ash flux-calcined	2.5-5%
	Consisting of: 14808-60-7 Quartz (SiO ₂) (1-10%)	
	STOT RE 2, H373	
CAS: 1314-13-2 EINECS: 215-222-5 Reg.nr.: 01-2119463881-32xxxx	zinc oxide	0.25-1%
	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
CAS: 540-97-6 EINECS: 208-762-8 Reg.nr.: 01-2119517435-420001	Dodecamethylcyclohexasiloxane Non-classified vPvB substance. Non-classified PBT substance. Substance identified as having endocrine disrupting properties (II).	0.1-0.25%

non dangerous ingredients Cas.Nr. : 70131-67-8 Polydimethylsiloxane, hydroxy terminated

SVHC 540-97-6 Dodecamethylcyclohexasiloxane

Additional information

Calcined diatomaceous earth: This ingredient does not lead to classification, due to the physical nature of the material is not given an inhalation risk.

Quartz: This ingredient does not lead to classification, due to the physical nature of the material is not given an inhalation risk. For the wording of the listed hazard phrases refer to section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information: Immediately remove any clothing soiled by the product.

Inhalation

Supply fresh air.

Consult doctor in case of complaints.

Skin contact

Immediately wash with water and soap and rinse thoroughly.

Generally the product does not irritate the skin.

Eye contact

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

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.

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.

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 monoxide (CO) Carbon dioxide

5.3. Advice for firefighters

Protective equipment

Wear self-contained respiratory protective device.

Additional information

Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/spilled product.

Wear protective clothing. Keep unprotected people away.

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 section 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

Take care by opening

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2. Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Keep container tightly closed and dry and storage in a good, ventilated room.

Storage temperature: 20 - 25 °C.

Information about storage in one common storage facility:

Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.

Store away from foodstuffs.

Further information about storage conditions:

Keep container tightly sealed.

Storage class: 8A

7.3. Specific end use(s)

Denomination of Origin

Made in Germany

Processing information

Homogenize content before use

General remark

For processing instructions see data sheet

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace: 14808-60-7 Quartz (SiO₂)		
MAK (Germany)	als Dampf und Aerosol;vgl.Abschn.IIIb	
25265-71-8 Dipropylene glycol (isomer unspecified)		
BOELV (European Union) MAK (Germany) MAK (Austria)	Long-term value: 0.1* mg/m ³ *respirable fraction alveolengängige Fraktion Long-term value: 0.05 A mg/m ³ siehe Anhang III C	
DNELs		
68855-54-9 Kieselguhr, soda ash flux-calcined		
Oral	DNEL Long-term - systemic effects	18.7 mg/kg bw/day (General population)
Inhalative	DNEL Long-term - systemic effects	0.08 mg/m ³ (General population) 0.33 mg/m ³ (workers)
1314-13-2 zinc oxide		
Oral	DNEL Long-term - systemic effects	0.83 mg/kg bw/day (General population)
Dermal	DNEL Long-term - systemic effects	83 mg/kg bw/day (General population) 83 mg/kg bw/day (workers)
Inhalative	DNEL local effects - long term exposure DNEL Long-term - systemic effects	0.5 mg/m ³ (workers) 2.5 mg/m ³ (General population) 5 mg/m ³ (workers)
540-97-6 Dodecamethylcyclhexasiloxane		
Oral	DNEL Long-term - systemic effects Short-term exposure - systemic effects	1.7 mg/kg (General population) 1.7 mg/kg (General population)
Inhalative	DNEL local effects - long term exposure DNEL Long-term - systemic effects DNEL local effect - short term	0.3 mg/m ³ (General population) 1.22 mg/m ³ (workers) 2.7 mg/m ³ (General population) 11 mg/m ³ (workers) 1.5 mg/m ³ (General population) 6.1 mg/m ³ (workers)
PNECs		
68855-54-9 Kieselguhr, soda ash flux-calcined		
PNEC STP	100 mg/L (sewage plant)	
1314-13-2 zinc oxide		
PNEC STP	0.1 mg/L (sewage plant)	
PNEC aqua	20.6 ug/L (freshwater) 6.1 ug/L (marine water)	
PNEC sediment	117.8 mg/kg (freshwater- sediment)	
PNEC soil	56.5 mg/kg (seawater - sediment) 35.6 mg/kg (soil (Boden))	
540-97-6 Dodecamethylcyclhexasiloxane		
PNEC STP	1 mg/L (sewage plant)	
PNEC sediment	13 mg/kg (freshwater- sediment) 1.3 mg/kg (seawater - sediment)	
PNEC soil	3.77 mg/kg (soil (Boden))	

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

8.2. Exposure controls

Appropriate engineering controls

No further data; see section 7

Protective equipment

Individual protection measures, such as personal protective equipment, General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Not necessary if room is well-ventilated.

Hand protection

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 can not 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.

Eye protection



Tightly sealed goggles

Body protection

Protective work clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state

Fluid

Colour:

Red-brown

Odour:

Characteristic

Odour threshold:

Not determined

Melting point/freezing point:

Undetermined

Boiling point or initial boiling point and boiling range

>200 °C

Flammability

Not applicable

Lower and upper explosion limit

Lower:

Not determined

Upper:

Not determined

Flash point:	>161 °C
Decomposition temperature:	Not determined
pH	Not determined
Viscosity:	
Kinematic viscosity	Not determined
Dynamic at 20 °C:	10,000 mPas
Solubility	
Water:	Insoluble
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	100 hPa
Density and/or relative density	
Density at 20 °C:	1.45 g/cm ³
Relative density	Not determined
Vapour density	Not determined

9.2. Other information

Appearance:

Form: Viscous

Important information on protection of health and environment, and on safety.

Auto-ignition temperature: Product is not self-igniting

Explosive properties: Product does not present an explosion hazard.

Solvent content:

VOC (EC) 0.0 g/l

Change in condition

Evaporation rate Not determined

Information regarding physical hazard classes

Explosives Void

Flammable gases Void

Aerosols Void

Oxidising gases Void

Gases under pressure Void

Flammable liquids Void

Flammable solids Void

Self-reactive substances and mixtures Void

Pyrophoric liquids Void

Pyrophoric solids Void

Self-heating substances and mixtures Void

Substances and mixtures, which emit flammable gases in contact with water Void

Oxidising liquids Void

Oxidising solids Void

Organic peroxides Void

Corrosive to metals Void

Desensitised explosives Void

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

Moisture. Heat, open flames and other ignition sources. With contaminated pipes and tanks or corroded or rusty containers may lead to increased formation of hydrogen. Detail in section 7.

10.5. Incompatible materials

Incompatible with oxidizing agents, acids

10.6. Hazardous decomposition products

Measurements have shown that at temperatures from about 150 ° C by formation of small amount Formaldehyde is split off.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification:		
68855-54-9 Kieselguhr, soda ash flux-calcined		
Oral	LD50	>2,000 mg/kg (rat) (OECD 401 Acute Oral Toxicity)
Inhalative	LD50/4	>2.6 mg/m ³ (rat) (OECD 403 Acute Inhalation Toxicity)
1314-13-2 zinc oxide		
Oral	LD50	>5,000 mg/kg (rat)(OECD 201 Alga, Growth Inhibition Test)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402 Acute Dermal Toxicity)
Inhalative	LC50/4 h	>5.7 mg/kg (rat)(OECD 403 Acute Inhalation Toxicity)
540-97-6 Dodecamethylcyclhexasiloxane		
Oral	LD50	2,000 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rat)

Serious eye damage/irritation

Causes serious eye irritation

11.2 Information on other hazards

Endocrine disrupting properties		
540-97-6	Dodecamethylcyclhexasiloxane	List II

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

· Aquatic toxicity:	
70131-67-8 Polydimethylsiloxane, hydroxy terminated	
LC50 (96 h)	200 mg/l (Leuciscus)
1314-13-2 zinc oxide	
LC50 (96 h)	4.92 mg/l (Brachydanio rerio)
EC50 (48 h)	0.413 mg/l (D)
EC50 (72 h)	0.137 mg/l (Selenastrum cpricornutum (Grünalge)) (OECD 201 Alga, Growth Inhibition Test)
NOEC / 7 d	0.082 mg/l (Daphnia Magna)
540-97-6 Dodecamethylcyclhexasiloxane	
EC50 (72 h)	>0.002 mg/l (Pseudokirchnerella Subcapitata) (OECD 201 Alga, Growth Inhibition Test)

EC50 (3h)
NOEC/72h
NOEC / 21d

>100 mg/l (activated sludge) (OECD209 Activated Sludge, Respiration Inhibition Test)
0.002 mg/l (Pseudokirchnerella Subcapitata) (OECD 201 Alga, Growth Inhibition Test)
0.0046 mg/l (Daphnia Magna)

12.2. Persistence and degradability

No further relevant information available

Other information:

Elimination by adsorption onto activated sludge.

12.3. Bioaccumulative 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:	540-97-6	Dodecamethylcyclhexasiloxane
vPvB:	540-97-6	Dodecamethylcyclhexasiloxane

12.6. Endocrine disrupting properties

For information on endocrine disrupting properties see section 11.

12.7. Other adverse effects

Remark: Harmful to fish

Additional ecological information:

General notes:

Harmful to aquatic organisms

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste disposal key:

The waste code according to the Waste Catalogue (AVV) depends on the waste producer and can therefore be different for a product. The waste code is to identify them separately from each waste producer.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

ADR, AND, 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

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

IMO instruments

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 GP CLP regulation.

Hazard pictograms

Void

Signal word

Void

Hazard statements

H412 Harmful to aquatic life with long lasting effects

Precautionary statements

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

· Substances of very high concern (SVHC) according to UK REACH	
540-97-6	Dodecamethylcyclohexasiloxane

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

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.

· Relevant phrases

H372 Causes damage to organs through prolonged or repeated exposure.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Recommended restriction of use

The information in this safety data sheet corresponds to the best of our knowledge at the time of the revision. The information should give you clues for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. Insofar as the product mentioned in this safety data sheet is mixed with other materials, mixed or processed, or subjected to processing, the information in this safety data sheet, unless expressly stated otherwise, cannot be transferred to the new material produced in this way.

Department issuing SDS: environment protection department

Contact: 01782 745000 Office Hours 08:30-17:00 hrs Mondays-Thursday 8:30-15:30 Friday

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 relatif au transport international 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)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

STOT RE 1: Specific target organ toxicity (repeated exposure) - Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

* Data compared to the previous version altered.

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