

Material Safety Data Sheet Regulation EC No 1907/2006 Art.31

Product Name: Regin Black High Temperature Silicone Sealant

Product Code: REGZ37

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

Version: 1.0

Revision Date: 01.09.2016

Superseded date: N/A

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

1.1 Product name: Regin High Temperature Silicone Sealant

1.2 Identified uses: Adhesive, binding agents

Uses advised against: None known.

1.3 Company: Regin Products Ltd, 8-13 Tower Square, Huntingdon, Cambs, PE29 7DT

E-mail address: sales@regin.co.uk

Tel: +44(0)1480 412415

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1.4 Emergency Phone

Number: +44(0)1480 412415

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) Not a hazardous substance or mixture.

Additional Labelling:

2.3 Other hazards

None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature : Silicone elastomer

Hazardous components

Remarks: No Hazardous Components

4. FIRST AID MEASURES

4.1 Description of first aid measures

Protection of first-aiders : No special precautions are necessary for first aid responders.

If inhaled : If inhaled, remove to fresh air.

Get medical attention if symptoms occur.

In case of skin contact : Wash with water and soap as a precaution.

Get medical attention if symptoms occur.

In case of eye contact : Flush eyes with water as a precaution.

Get medical attention if irritation develops and persists.

If swallowed : If swallowed, DO NOT induce vomiting.

Get medical attention if symptoms occur.

Rinse mouth thoroughly with water.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically and supportively.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO2)

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting:- Exposure to combustion products may be a hazard to health.

Hazardous combustion products:- Carbon oxides, Silicone oxides, Formaldehyde

5.3 Advice for firefighters

Special protective equipment : Wear self-contained breathing apparatus for firefighting if necessary for firefighters. Use personal protective equipment.

Specific extinguishing methods:-

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Use water spray to cool unopened containers.

Remove undamaged containers from fire area if it is safe to do so.

Evacuate area.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Follow safe handling advice and personal protective equipment recommendations.

6.2 Environmental precautions

Environmental precautions :

Discharge into the environment must be avoided.

Prevent further leakage or spillage if safe to do so.

Retain and dispose of contaminated wash water.

Local authorities should be advised if significant spillages cannot be contained.

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6.3 Methods and material for containment and cleaning up

Methods for cleaning up :

Soak up with inert absorbent material. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the clean-up of releases. You will need to determine which regulations are applicable.

Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

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 : 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 and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep in properly labelled containers. Store in accordance with the particular national regulations.

Advice on common storage : Do not store with the following product types:

Strong oxidizing agents

7.3 Specific end use(s)

Specific use(s) : These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits

Components CAS-No. Value type (Form Control parameters Basis of exposure)

Amorphous fumed 112945-52 TWA (inhalable 6 mg/m³ GB EH40 silica 5 dust) (Silica)

Further information

For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust, The COSHH definition of a substance hazardous to health includes dust of any

kind when present at a concentration in air equal to or greater than 10 mg.m⁻³ 8-hour TWA of inhalable dust or 4 mg.m⁻³ 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit., Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/3., Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with., Where no specific short-term exposure limit is listed,

a figure three times the long-term exposure should be used

TWA (Respirable 2.4 mg/m³ GB EH40

dust) (Silica)

Further information

For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken The choice of a filter type depends on the amount and type of chemical being handled in the workplace. Regarding filter characteristics, contact your respiratory protection supplier.

Hand protection: Chemical protective gloves should be worn: Butyl rubber. Nitrile rubber. Neoprene rubber. Silver shield(TM). 4H(TM). Viton(TM). Regarding glove's breakthrough time, contact your chemical protective glove supplier.

Eye/face protection: Safety glasses should be worn.

Skin protection: Protective equipment is not normally necessary.

Hygiene measures: Exercise good industrial hygiene practice. Wash after handling, especially before eating, in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust, The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m⁻³ 8-hour TWA of inhalable dust or 4 mg.m⁻³ 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit., Most industrial dusts contain particles of a wide range of sizes.

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8.2 Exposure controls

Engineering measures

Processing may form hazardous compounds (see section 10).

Ensure adequate ventilation, especially in confined areas.

Minimize workplace exposure concentrations.

Personal protective equipment

Eye protection :

Wear the following personal protective equipment: Safety glasses

Hand protection

Remarks : Wash hands before breaks and at the end of workday.

Skin and body protection :

Skin should be washed after contact.

Respiratory protection :

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Organic vapour type (A)

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance : paste

Colour : colourless

Odour : Acetic acid

Odour Threshold : No data available

pH : Not applicable

Melting point/freezing point : No data available

Initial boiling point and boiling range : Not applicable

Flash point : > 100 °C

Evaporation rate : Not applicable

Flammability (solid, gas) : Not classified as a flammability hazard

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : Not applicable

Relative vapour density : No data available

Relative density : 1.02

Solubility(ies)

Water solubility : No data available

Partition coefficient: n: No data available

octanol/water

Auto-ignition temperature : No data available

Thermal decomposition : No data available Viscosity

Viscosity, dynamic : Not applicable

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

9.2 Other information Molecular weight : No data available

SECTION 10: Stability and reactivity**10.1 Reactivity**

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents.

Hazardous decomposition products will be formed at elevated temperatures.

10.4 Conditions to avoid Conditions to avoid : None known.**10.5 Incompatible materials**

Materials to avoid : Oxidizing agents

10.6 Hazardous decomposition products

Thermal decomposition : Formaldehyde

11: Toxicological information

11.1 Information on toxicological effects

Information on likely routes of : Skin contact

exposure Ingestion

Eye contact

Acute toxicity.

Not classified based on available information..

Skin corrosion/irritation. Not classified based on available information..

Product:

Result: No skin irritation

Remarks: Based on data from similar materials

Serious eye damage/eye irritation. Not classified based on available information..

Product:

Result: No eye irritation

Remarks: Based on data from similar materials

Respiratory or skin sensitisation.

Skin sensitisation: Not classified based on available information..

Respiratory sensitisation: Not classified based on available information..

Germ cell mutagenicity Not classified based on available information.

Carcinogenicity Not classified based on available information..

Reproductive toxicity Not classified based on available information.

STOT - single exposure. Not classified based on available information..

STOT - repeated exposure. Not classified based on available information..

Aspiration toxicity Not classified based on available information..

12: Ecological information

12.1 Toxicity No data available

12.2 Persistence and degradability No data available

12.3 Bioaccumulative potential No data available

12.4 Mobility in soil No data available

12.5 Results of PBT and vPvB assessment Not relevant

12.6 Other adverse effects No data available

13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Contaminated packaging : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.



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14: Transport information

- 14.1 UN number Not regulated as a dangerous good
 - 14.2 UN proper shipping name Not regulated as a dangerous good
 - 14.3 Transport hazard class(es) Not regulated as a dangerous good
 - 14.4 Packing group Not regulated as a dangerous good
 - 14.5 Environmental hazards Not regulated as a dangerous good
 - 14.6 Special precautions for user Not applicable
 - 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
- Remarks : Not applicable for product as supplied.

15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
 - Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable
 - REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).
: Not applicable
 - Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable
 - Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable
 - Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances : Not applicable
- The components of this product are reported in the following inventories:
REACH : All ingredients (pre-)registered or exempt.
TSCA : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
AICS : All ingredients listed or exempt.
IECSC : All ingredients listed or exempt.
PICCS : All ingredients listed or exempt.
DSL : All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- GB EH40 : UK. EH40 WEL -Workplace Exposure Limits
- GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text.