

SAFETY DATA SHEET STRONGCOAT QUARTZ RESIN

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

1.1. Product identifier

STRONGCOAT QUARTZ RESIN Product name

Internal identification SCQTZR/11

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

Identified uses Component of epoxy coating system

Uses advised against None

1.3. Details of the supplier of the safety data sheet

Supplier

Don Construction Products Ltd.,

Hawthorn House

Helions Bumpstead Road

Haverhill Suffolk **CB9 7AA**

Tel: 01538 361799 Mon-Fri 08:30 - 17:00 (excl bank holidays)

Fax: 01538 361899

E-Mail: info.uk@dcp-int.com

1.4. Emergency telephone number

01538 361799 Mon-Fri 8.30am - 5.00pm (excluding Bank Holidays) **Emergency telephone**

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Not Classified Physical hazards

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Repr. 2 - H361fd Health hazards

Environmental hazards Aquatic Chronic 2 - H411

1999/45/EC)

Classification (67/548/EEC or Repr. Cat. 3;R62,R63. Xi;R36/38. R43. N;R51/53.

Human health The liquid is irritating to eyes and skin. Risk of sensitisation by skin contact Contains a

substance with possible risk of harm to the unborn child. Contains a substance with possible

risk of impaired fertility.

Environmental The product contains a substance which is toxic to aquatic organisms and which may cause

long-term adverse effects in the aquatic environment.

2.2. Label elements

STRONGCOAT QUARTZ RESIN

Pictogram







Signal word

Warning

Hazard statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing vapour/ spray. P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P313 Get medical advice/ attention.

Contains

BPF EPOXY RESIN, EPOXY RESIN (Number average MW <= 700), C13/15

ALKYLGLYCIDYL ETHER, POLYPROPYLENEGLYCOL -EPICHLOROHYDRIN COPOLYMER, TRIARYLPHOSPHATES ISOPROPYLATED, OXIRANE, MONO [(C12-14-

ALKYLOXY)METHYL] DERIVS

Supplementary precautionary

statements

P262 Do not get in eyes, on skin, or on clothing.

P321 Specific treatment (see medical advice on this label).

P403+P233 Store in a well-ventilated place. Keep container tightly closed. P501 Dispose of contents/ container in accordance with local regulations.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

BPF EPOXY RESIN 30-60%

CAS number: 55492-52-9

Classification Classification (67/548/EEC or 1999/45/EC)

Skin Irrit. 2 - H315 Xi;R36/38. R43.

Eye Irrit. 2 - H319 Skin Sens. 1 - H317

EPOXY RESIN (Number average MW <= 700)

10-30%

CAS number: 25068-38-6 EC number: 500-033-5 REACH registration number: 01-

2119456619-26

Classification

Classification (67/548/EEC or 1999/45/EC) R43 Xi:R36/38 N:R51/53

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319

Skin Sens. 1 - H317

Aquatic Chronic 2 - H411

STRONGCOAT QUARTZ RESIN

C13/15 ALKYLGLYCIDYL ETHER 10-30%

Classification Classification (67/548/EEC or 1999/45/EC)

Skin Irrit. 2 - H315 Xi;R36/38. N;R51/53. R43. Eye Irrit. 2 - H319

Skin Sens. 1 - H317 Aquatic Chronic 2 - H411

POLYPROPYLENEGLYCOL - 10-30%

EPICHLOROHYDRIN COPOLYMER

CAS number: 009072-62-2

Classification (67/548/EEC or 1999/45/EC)

Skin Irrit. 2 - H315 Xi;R36/38. R43,R52/53.

Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412

TRIARYLPHOSPHATES ISOPROPYLATED 1-10%

Classification Classification (67/548/EEC or 1999/45/EC)

Repr. 2 - H361fd Repr. Cat. 3;R62,R63.

TRIPHENYLPHOSPHATE 1-5%

CAS number: 68937-41-7

M factor (Acute) = 1 M factor (Chronic) = 1

Classification Classification (67/548/EEC or 1999/45/EC)

Aquatic Acute 1 - H400 N;R50/53.

Aquatic Chronic 1 - H410

CYCLOHEXANONE <1%

CAS number: 108-94-1 EC number: 203-631-1

Classification Classification (67/548/EEC or 1999/45/EC)

Flam. Liq. 3 - H226 R10 Xn;R20

Acute Tox. 4 - H302

Acute Tox. 4 - H312

Skin Irrit. 2 - H315 Eye Dam. 1 - H318

Acute Tox. 4 - H332

STRONGCOAT QUARTZ RESIN

OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS

<0.5%

CAS number: 68609-97-2 REACH registration number: 01-

2119485289

Classification Classification (67/548/EEC or 1999/45/EC)

Skin Irrit. 2 - H315 R43 Xi;R38

Skin Sens. 1 - H317

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments Epoxy resin blend.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Remove affected person from source of contamination.

Inhalation Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get

medical attention immediately.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. Get medical

attention if irritation persists after washing.

Eye contact Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get

medical attention.

4.2. Most important symptoms and effects, both acute and delayed

General information The severity of the symptoms described will vary dependent on the concentration and the

length of exposure.

Inhalation This is unlikely to occur but symptoms similar to those of ingestion may develop.

Ingestion May cause discomfort if swallowed.

Skin contact Skin irritation. Prolonged contact may cause redness, irritation and dry skin. Allergic rash.

Eye contact Irritating to eyes. Symptoms following overexposure may include the following: Redness.

Pain.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide or dry powder.

Unsuitable extinguishing

Do not use water jet as an extinguisher, as this will spread the fire.

media

5.2. Special hazards arising from the substance or mixture

Specific hazards Toxic gases/vapours/fumes of: Oxides of the following substances: Carbon. Nitrogen.

Hazardous combustion

products

Oxides of carbon. Oxides of nitrogen.

5.3. Advice for firefighters

STRONGCOAT QUARTZ RESIN

Protective actions during

firefighting

No specific firefighting precautions known.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Provide adequate ventilation. Wear suitable protective equipment, including gloves,

goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid contact with

skin and eyes.

6.2. Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillages with

sand, earth or any suitable absorbent material.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with sand or other inert absorbent. Collect spillage in containers, seal securely

and deliver for disposal as hazardous waste.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health

hazards. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Provide adequate ventilation. Good personal hygiene procedures should be implemented. Do

not eat, drink or smoke when using the product.

Advice on general occupational hygiene

Promptly remove any clothing that becomes contaminated. Wash contaminated clothing

before reuse. Wash after use and before eating, smoking and using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in closed

original container at temperatures between 5°C and 30°C. Store in a cool and well-ventilated

place.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

TRIPHENYLPHOSPHATE

Long-term exposure limit (8-hour TWA): WEL 3 mg/m³ Short-term exposure limit (15-minute): WEL 6 mg/m³

CYCLOHEXANONE

Long-term exposure limit (8-hour TWA): WEL 10 ppm 41 mg/m³ Short-term exposure limit (15-minute): WEL 20 ppm 82 mg/m³

Sk

WEL = Workplace Exposure Limit Sk = Can be absorbed through the skin.

STRONGCOAT QUARTZ RESIN

EPOXY RESIN (Number average MW <= 700) (CAS: 25068-38-6)

DNEL Workers - Dermal; : 8.3 mg/kg

Workers - Inhalation; : 12.3 mg/m³

PNEC - Fresh water; 0.003 mg/l

- Marine water; 0.0003 mg/l

8.2. Exposure controls

Protective equipment







Appropriate engineering

controls

Provide adequate general and local exhaust ventilation.

Personal protection Always check applicability with your supplier of protective equipment.

Eye/face protection If there is a risk of splashing, wear chemical resistant goggles or visor approved to BS EN166.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if

a risk assessment indicates skin contact is possible. Nitrile gloves to BSEN374 are recommended. Break through times can vary depending on thickness, use and source.

Change gloves regularly.

Other skin and body

protection

Wear suitable protective clothing as protection against splashing or contamination. Wear

apron or protective clothing in case of contact.

Hygiene measures Provide eyewash station. Promptly remove any clothing that becomes contaminated. Wash

promptly with soap and water if skin becomes contaminated. Wash contaminated clothing

before reuse.

Respiratory protection No specific recommendation made, but respiratory protection must be used if the general

level exceeds the recommended occupational exposure limit.

Thermal hazards None

Environmental exposure

controls

Residues and empty containers should be taken care of as hazardous waste according to

local and national provisions.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Colour Grey.

Odour Slight. Aromatic.

Odour threshold Not determined.

pH Not applicable.

Melting point Not applicable.

Initial boiling point and range Not determined.

Flash point Not determined.

Evaporation rate Not determined.

Evaporation factor Not determined.

STRONGCOAT QUARTZ RESIN

Flammability (solid, gas) Not applicable.

Upper/lower flammability or

explosive limits

Not applicable.

Other flammability Not applicable.

Vapour pressure Not determined.

Vapour density Not determined.

Relative density 1.30 approx @ 20°C

Bulk density Not determined.

Solubility(ies) Insoluble in water.

Partition coefficient Not determined.

Auto-ignition temperature Not applicable.

Decomposition Temperature Not applicable.

Viscosity Not determined.

Explosive properties Not applicable.

Explosive under the influence

of a flame

Not considered to be explosive.

Oxidising properties Not determined.

Comments Information given is applicable to the product in its ready-to-use form.

9.2. Other information

Other information None.

Refractive index Not determined.

Particle size Not applicable.

Molecular weight Not determined.

Volatility Not determined.

Saturation concentration Not determined.

Critical temperature Not determined.

Volatile organic compound Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity The following materials may react with the product: Acids. Strong alkalis. Strong oxidising

agents.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

Under normal conditions of storage and use, hazardous reactions will not occur. Considerable

exothermic reaction can occur when mixed with epoxide hardeners.

10.4. Conditions to avoid

STRONGCOAT QUARTZ RESIN

Conditions to avoid Avoid contact with acids and oxidising substances.

10.5. Incompatible materials

Materials to avoid Strong acids. Strong alkalis. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition

Oxides of carbon. Oxides of nitrogen.

products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No information available.

Acute toxicity - oral

Notes (oral LD₅₀) No specific test data are available.

Acute toxicity - dermal

Notes (dermal LD₅₀) No specific test data are available.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) No specific test data are available.

Skin corrosion/irritation

Skin corrosion/irritation Irritating to skin., Prolonged or repeated contact with skin may cause irritation, redness and

dermatitis.

Animal data No specific test data are available.

Human skin model test No specific test data are available.

Extreme pH No specific test data are available.

Serious eye damage/irritation

Serious eye damage/irritation Irritation of eyes is assumed.

Respiratory sensitisation

Respiratory sensitisation No specific test data are available.

Skin sensitisation

Skin sensitisation Sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro

No specific test data are available.

Genotoxicity - in vivo

No specific test data are available.

Carcinogenicity

Carcinogenicity No specific test data are available.

Target organ for carcinogenicity

No specific target organs known.

IARC carcinogenicity Not listed.

Reproductive toxicity

Reproductive toxicity - fertility Suspected of damaging fertility.

Specific target organ toxicity - single exposure

STOT - single exposure No specific test data are available.

STRONGCOAT QUARTZ RESIN

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No specific test data are available.

Aspiration hazard

Aspiration hazard Not relevant.

General information No specific health hazards known.

Inhalation May cause some discomfort in poorly ventilated areas.

Ingestion Irritating. Symptoms following overexposure may include the following: Nausea, vomiting.

Stomach pain.

Skin contact Prolonged or repeated exposure may cause severe irritation. May cause sensitisation by skin

contact.

Eye contact Irritating to eyes.

Acute and chronic health

hazards

Irritating to skin. Irritating to eyes. May cause sensitisation by skin contact. Suspected of

damaging fertility. Suspected of damaging the unborn child.

Route of entry Skin and/or eye contact Inhalation

Target organs Eyes Skin Reproductive organs

Medical symptoms Skin irritation. Irritation of eyes and mucous membranes.

Medical considerations Pre-existing eye problems. Skin disorders and allergies.

EPOXY RESIN (Number average MW <= 700)

Acute toxicity - oral

Acute toxicity oral (LD50

2,000.0

mg/kg)

Species Rat

Notes (oral LD₅o 20000 mg/kg, Oral, Mouse LD₅o 19800 mg/kg, Oral, Rabbit LD₅o 11400 mg/kg,

Oral, Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,000.0

mg/kg)

Species Rat

Notes (dermal LD₅₀) LD₅₀ 1270 mg/kg, Dermal, Mouse LD₅₀ > 2000 mg/kg, Dermal, Rabbit LD₅₀ > 1200

mg/kg, Dermal, Rat

C13/15 ALKYLGLYCIDYL ETHER

Acute toxicity - oral

Acute toxicity oral (LD50

5,000.0

mg/kg)

Species Rat

CYCLOHEXANONE

Acute toxicity - oral

STRONGCOAT QUARTZ RESIN

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

ATE inhalation (vapours 11.0

mg/l)

SECTION 12: Ecological Information

Ecotoxicity The product should not be allowed to enter drains, sewers or watercourses. Dangerous for the

environment: May cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Toxicity Not available

Acute toxicity - fish Not determined

Acute toxicity - aquatic

invertebrates

Not determined.

Acute toxicity - aquatic plants Not determined.

Acute toxicity - Not determined.

microorganisms

Acute toxicity - terrestrial Not determined.

Chronic toxicity - fish early life Not determined.

stage

Short term toxicity - embryo

and sac fry stages

Not determined.

Chronic toxicity - aquatic

official toxicity - aqu

Not determined.

invertebrates

EPOXY RESIN (Number average MW <= 700)

Acute toxicity - fish LC50, 96 hours: 1.3 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hours: 2.1 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

, 72 hours: > 11 mg/l, Freshwater algae

Acute toxicity -

microorganisms

EC₅o, 3 hours: > 100 mg/l, Activated sludge

TRIPHENYLPHOSPHATE

Acute aquatic toxicity

LE(C)₅₀ $0.1 < L(E)C50 \le 1 \ 0.1 < L(E)C50 \le 1$

M factor (Acute) 1

Chronic aquatic toxicity

STRONGCOAT QUARTZ RESIN

M factor (Chronic) 1

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Phototransformation Not determined. Stability (hydrolysis) Not determined.

Highly insoluble in water. Biodegradation

Biological oxygen demand Not determined. Chemical oxygen demand Not determined.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

12.4. Mobility in soil

The product is insoluble in water. Mobility

Adsorption/desorption

coefficient

Not determined.

Henry's law constant Not determined. Surface tension Not determined.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Small quantities of product may be treated with an equivalent quantity of product hardener,

> allowed to cure and disposed of as low hazard waste. Large quantities should be disposed of via licensed waste operators to an approved incineration unit. Product containers must not be

re-used without commercial cleaning.

SECTION 14: Transport information

14.1. UN number

3082 UN No. (ADR/RID) UN No. (IMDG) 3082 UN No. (ICAO) 3082

14.2. UN proper shipping name

Proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (C13/15 (ADR/RID) ALKYLGLYCIDYL ETHER, EPOXY RESIN (Number average MW <= 700))

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (C13/15

ALKYLGLYCIDYL ETHER, EPOXY RESIN (Number average MW <= 700))

STRONGCOAT QUARTZ RESIN

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (C13/15

ALKYLGLYCIDYL ETHER, EPOXY RESIN (Number average MW <= 700))

Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (C13/15

ALKYLGLYCIDYL ETHER, EPOXY RESIN (Number average MW <= 700))

14.3. Transport hazard class(es)

ADR/RID class 9

ADR/RID label 9

IMDG class 9

ICAO class/division 9

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS F-A, S-F

Emergency Action Code 3Z

Hazard Identification Number 90

(ADR/RID)

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations Control of Substances Hazardous to Health Regulations 2002 (as amended).

Guidance Workplace Exposure Limits EH40.

Safety Data Sheets for Substances and Preparations.

Authorisations (Title VII

Regulation 1907/2006)

No specific authorisations are known for this product.

Restrictions (Title VIII

No specific restrictions on use are known for this product.

Regulation 1907/2006)

15.2. Chemical safety assessment

STRONGCOAT QUARTZ RESIN

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information Don Construction Products Ltd. Technical Datasheet.

Key literature references and

sources for data

Health and Safety Executive Guidance Note EH40 (amended annually). Workplace Exposure

Limits.

Revision comments Section 1 update

Revision date 08/03/2017

Revision 11

Supersedes date 07/06/2016

SDS status Approved.

Risk phrases in full R10 Flammable.

R20 Harmful by inhalation.

R36/38 Irritating to eyes and skin.

R38 Irritating to skin.

R43 May cause sensitisation by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

R62 Possible risk of impaired fertility.

R63 Possible risk of harm to the unborn child.

Hazard statements in full H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage. H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

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.