

CP1959 v1.5 RS 908-2745

SAFETY DATA SHEET

R48 HIGH STRENGTH RETAINER

Page: 1

Compilation date: 25/03/2021

Revision No: 4

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

1.1. Product identifier

Product name: R48 HIGH STRENGTH RETAINER

Product code: RS908-2745

UFI: 7ETA-C0CA-T00F-UJ08

Synonyms: 648

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

Use of substance / mixture: PC1: Adhesives, sealants.

1.3. Details of the supplier of the safety data sheet

Company name: RS Components Ltd

Birchington Road

Corby

Northamptonshire

NN17 9RS

England

Tel: +44 (0) 845 850 9900

Email: RCustomerServicesUK@rs-components.com

Glenview Industrial Estate

Herberton Road

Rialto

Dublin 12

+353 (0) 1 415 3100

enquiries.ie@rs-components.com

1.4. Emergency telephone number

Emergency tel: +44 (0) 1865 407333 (24hr)

+44 (0) 1235 239670 (24hr)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Corr. 1A: H314; Skin Sens. 1: H317; STOT SE 3: H335; Aquatic Chronic 3: H412; -: EUH208

Most important adverse effects: Contains <name of sensitising substance>. May produce an allergic reaction. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long lasting effects.

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SAFETY DATA SHEET
R48 HIGH STRENGTH RETAINER

Page: 2

Hazard pictograms: GHS05: Corrosion

GHS07: Exclamation mark



Signal words: Danger

Precautionary statements: P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

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

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

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

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312: Call a POISON CENTRE or doctor if you feel unwell.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Haz. ingredients (label): ACRYLIC RESIN; POLYGLYCOL DIMETHACRYLATE; HYDROXYALKYL METHACRYLATE; ACRYLIC ACID

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

ACRYLIC RESIN

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|--------|-----|-----------|---|---------|
| - | - | - | Skin Irrit. 2: H315; Eye Irrit. 2: H319 | 10-30% |

TRIETHYLENE GLYCOL DIMETHACRYLATE

| | | | | |
|-----------|----------|---|--------------------|--------|
| 203-652-6 | 109-16-0 | - | Skin Sens. 1: H317 | 10-30% |
|-----------|----------|---|--------------------|--------|

HYDROXYALKYL METHACRYLATE

| | | | | |
|-----------|------------|---|---|--------|
| 248-666-3 | 27813-02-1 | - | STOT SE 3: H335; Eye Irrit. 2: H319; Skin Sens. 1: H317 | 10-30% |
|-----------|------------|---|---|--------|

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SAFETY DATA SHEET
R48 HIGH STRENGTH RETAINER

Page: 3

ACRYLIC ACID

| | | | | |
|-----------|---------|---|---|-------|
| 201-177-9 | 79-10-7 | - | Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1A: H314; Aquatic Acute 1: H400 | 5-10% |
|-----------|---------|---|---|-------|

2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE

| | | | | |
|-----------|------------|---|--|------|
| 239-701-3 | 15625-89-5 | - | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 | 1-5% |
|-----------|------------|---|--|------|

METHACRYLIC DIESTER OF POLYETHYLENE GLYCOL

| | | | | |
|---|------------|---|---|------|
| - | 25852-47-5 | - | STOT SE 3: H335; Eye Irrit. 2: H319; Skin Irrit. 2: H315 | 1-5% |
|---|------------|---|---|------|

CUMENE HYDROPEROXIDE

| | | | | |
|-----------|---------|---|--|------|
| 201-254-7 | 80-15-9 | - | Org. Perox. EF: H242; Acute Tox. 3: H331; Acute Tox. 4: H312; Acute Tox. 4: H302; STOT RE 2: H373; Skin Corr. 1B: H314; Aquatic Chronic 2: H411 | 1-5% |
|-----------|---------|---|--|------|

1-ACETYL-2-PHENYLHYDRAZINE

| | | | | |
|-----------|----------|---|---|-----|
| 204-055-3 | 114-83-0 | - | Skin Irrit. 2: H315; STOT SE 3: H335; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1B: H317; -: H301+H311 | <1% |
|-----------|----------|---|---|-----|

N,N-DIMETHYL-P-TOLUIDINE

| | | | | |
|-----------|---------|---|--|-----|
| 202-805-4 | 99-97-8 | - | Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT RE 2: H373; Aquatic Chronic 3: H412 | <1% |
|-----------|---------|---|--|-----|

HYDROQUINONE MONOMETHYL ETHER

| | | | | |
|-----------|----------|---|---|-----|
| 205-769-8 | 150-76-5 | - | Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Sens. 1: H317 | <1% |
|-----------|----------|---|---|-----|

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If

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SAFETY DATA SHEET
R48 HIGH STRENGTH RETAINER

Page: 4

unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Corrosive. In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: If outside keep bystanders upwind and away from danger point. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Section 7: Handling and storage

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SAFETY DATA SHEET
R48 HIGH STRENGTH RETAINER

Page: 5

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.
Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

ACRYLIC ACID

Workplace exposure limits:

Respirable dust:

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|----------------------|----------------------|------------|--------------|
| UK | 30 mg/m ³ | 60 mg/m ³ | - | - |

HYDROQUINONE MONOMETHYL ETHER

| | | | | |
|----|---------------------|---|---|---|
| UK | 5 mg/m ³ | - | - | - |
|----|---------------------|---|---|---|

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Green

Odour: Sweet-smelling

Evaporation rate: Negligible

Oxidising: No data available.

Solubility in water: Insoluble

Viscosity: No data available.

Boiling point/range°C: >35

Melting point/range°C: No data available.

Flammability limits %: lower: No data available.

upper: No data available.

Flash point°C: >93

[cont...]

SAFETY DATA SHEET
R48 HIGH STRENGTH RETAINER

Page: 6

Autoflammability°C: No data available.

Relative density: 1.08

VOC g/l: 10

Part.coeff. n-octanol/water: No data available.

Vapour pressure: 133.3 Pa

pH: No data available.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Heat. Light.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

ACRYLIC ACID

| | | | | |
|-----|-----|------|------|-------|
| IPR | RAT | LD50 | 22 | mg/kg |
| ORL | MUS | LD50 | 830 | mg/kg |
| ORL | RAT | LD50 | 1250 | mg/kg |
| SCU | MUS | LD50 | 1590 | mg/kg |

2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE

| | | | | |
|-----|-----|------|------|-------|
| IPR | RAT | LD50 | 55 | mg/kg |
| ORL | RAT | LD50 | 5190 | µl/kg |

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SAFETY DATA SHEET
R48 HIGH STRENGTH RETAINER

Page: 7

CUMENE HYDROPEROXIDE

| | | | | |
|-----|-----|------|-----|-------|
| ORL | MUS | LDLO | 5 | gm/kg |
| ORL | RAT | LD50 | 382 | mg/kg |
| SCU | RAT | LD50 | 382 | mg/kg |

N,N-DIMETHYL-P-TOLUIDINE

| | | | | |
|-----|-----|------|-----|-------|
| IPR | MUS | LD50 | 212 | mg/kg |
|-----|-----|------|-----|-------|

HYDROQUINONE MONOMETHYL ETHER

| | | | | |
|-----|-----|------|------|-------|
| IPR | MUS | LD50 | 250 | mg/kg |
| ORL | RAT | LD50 | 1600 | mg/kg |

Relevant hazards for product:

| Hazard | Route | Basis |
|--------------------------------|-------|-----------------------|
| Skin corrosion/irritation | DRM | Hazardous: calculated |
| Serious eye damage/irritation | OPT | Hazardous: calculated |
| Respiratory/skin sensitisation | DRM | Hazardous: calculated |
| STOT-single exposure | INH | Hazardous: calculated |

Symptoms / routes of exposure

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

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SAFETY DATA SHEET
R48 HIGH STRENGTH RETAINER

Page: 8

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Waste code number: 08 04 09

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN3265

14.2. UN proper shipping name

Shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(ACRYLIC ACID)

14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Tunnel code: E

Transport category: 3

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No

[cont...]

SAFETY DATA SHEET
R48 HIGH STRENGTH RETAINER

Page: 9

2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H226: Flammable liquid and vapour.

H242: Heating may cause a fire.

H301: Toxic if swallowed.

H301+H311: Toxic if swallowed or in contact with skin

H302: Harmful if swallowed.

H311: Toxic in contact with skin.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

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.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.