



Section 1. Product and Company Identification.

1.1 Model Number; SCS638S v1
1.2 Description; High Strength Retainer 50ml
Unique Formula Identifier (UFI): RDDW-NU1X-300C-WGW3

1.3 Manufacturer;

Sealey Group.
Kempson Way,
Bury St. Edmunds,
Suffolk.
IP32 7AR

1.4 Emergency telephone number; 44 (0) 1284 757 500 (Office Hours)

Date of source compilation; 24 February 2015

Section 2. Hazards Identification.

2.1 Classification of the substance or mixture.

STOT SE 3: H335; Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317; -: EUH208

Risk phrases;

R20: Harmful by inhalation.
R36/37/38: Irritating to eyes, respiratory system and skin.
R43: May cause sensitisation by skin contact.

Safety phrases;

S24: Avoid contact with skin.
S37: Wear suitable gloves.

2.2 Label elements.

Hazard pictogram(s)



Signal Word. Danger

Hazard statements;

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
H412: Harmful to aquatic life with long lasting effects.



Section 2. Hazards Identification, continued.

Precautionary statements;

P261: Avoid breathing vapours.

P264: Wash contaminated skin thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

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

P302+352: IF ON SKIN: Wash with plenty of water/.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338: 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 CENTER/doctor//if you feel unwell.

P321: Specific treatment (see information on this label).

P332+313: If skin irritation occurs: Get medical advice/attention.

P337+313: If eye irritation persists: Get medical advice/attention.

2.3 Other hazards.

None identified.



Section 3. Substances.

3.1 Chemical Name (substance)	3.1 CAS No.	3.2 Concentration Weight	Classification	
			Hazard Class & Category Code	Hazard Statements ¹
Acrylic Resin	-	31%	Not classified	-
Polyglycol Dimethacrylate	109-16-0	24.3%	Not classified	-
2-Hydroxypropyl Methacrylate	923-26-2	12.1%	Eye Irrit. 2 Skin Sens. 1	H319 H317
2,2-Bis(Acryloyloxymethyl)Butyl Acrylate	15625-89-5	3%	Eye Irrit. 2 Skin Irrit. 2 Skin Sens. 1	H319 H315 H317
Acrylic Acid	79-10-7	3%	Flam. Liq. 3 Acute Tox. 4 Acute Tox. 4 Acute Tox. 4 Skin Corr. 1A Aquatic Acute 1	H226 H332 H312 H302 H314 H400
Cumene Hydroperoxide	80-15-9	1%	Org. Perox. E Acute Tox. 3 Acute Tox. 4 Acute Tox. 4 STOT RE 2 Skin Corr. 1B Aquatic Chronic 2	H242 H331 H312 H302 H373 H314 H411
N,N-Dimethyl-P-Toluidine	99-97-8	0.5%	Acute Tox. 3 Acute Tox. 3 Acute Tox. 3 STOT RE 2 Aquatic Chronic 3	H331 H311 H301 H373 H412
1-Acetyl-2-Phenylhydrazine	114-83-0	0.5%	Not classified	-
Cumene	98-82-8	0.34%	Not classified	-

¹For full text of Statements, see Section 16.



Section 4. First Aid Measures.

4.1 Description of first aid measures

First Aid measures, general. Call a poison centre or a doctor if unwell. Quote UFI in Section 1.2.

Inhalation

Remove casualty from exposure ensuring one's own safety whilst doing so.
Get medical attention if any discomfort continues.

Skin Contact

Remove all contaminated clothes and footwear immediately unless stuck to skin.
Wash immediately with plenty of soap and water.

Eye Contact

Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion

Wash out mouth with water.
Get medical attention if any discomfort continues.

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

- Skin contact:** There may be irritation and redness at the site of contact.
Irritation or pain may occur at the site of contact.
An itchy rash may occur at the site of contact. Blistering may occur.
- Eye contact:** There may be irritation and pain.
The eyes may water profusely.
Corneal burns may occur.
- Ingestion:** There may be soreness and redness of the mouth and throat.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.
Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5. Fire Fighting Measures.

5.1. 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

In combustion emits toxic fumes of carbon dioxide / carbon monoxide.
In combustion emits toxic fumes of nitrogen oxides.
In combustion emits toxic fumes of sulphur oxides.

5.3. 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

6.1. Personal precautions, protective equipment and emergency procedures

If outside do not approach from downwind.

If outside keep bystanders upwind and away from danger point.

Mark out the contaminated area with signs and prevent access to unauthorised personnel.

Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Do not discharge into drains or rivers.

Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

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

See Section 7 for information on Safe Handling

See Section 8 for information of Personal Protective Equipment.

See Section 13 for information on disposal.

Section 7. Handling and Storage.

7.1. Precautions for safe handling

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

Store in a cool, well ventilated area.

Keep container tightly closed.

7.3. Specific end use(s)

Intended for use as a High Strength Retainer: Model Number identified in 1.1 with Description stated in 1.2.



Section 8. Exposure Controls/Personal Protection.

8.1. Control parameters

Workplace exposure limits.

Substance	CAS number	Workplace exposure limit.			
		Long term.		Short term.	
		ppm	mg.m ³	ppm	mg.m ³
Cumene	98-82-8	25	125	50	250

Appropriate Engineering Controls

- P261: Avoid breathing vapours.
- P264: Wash contaminated skin thoroughly after handling.
- P271: Use only outdoors or in a well-ventilated area.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P302+352: IF ON SKIN: Wash with plenty of water/.
- P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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- P312: Call a POISON CENTER/doctor//if you feel unwell.
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- P337+313: If eye irritation persists: Get medical advice/attention.

8.2. Exposure controls

Appropriate Engineering Controls

Ensure there is sufficient ventilation of the area.

Eye/Face Protection

Safety glasses with side shields or chemical safety goggles.
 Ensure eye bath is to hand.

Skin Protection

EN 374 Chemical resistant protective gloves.
 Wear suitable protective clothing.

Respiratory Protection

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



Section 9. Physical and Chemical Properties.

9.1. Information on basic physical and chemical properties

The following information is not a technical specification or sales specification.

(a) Appearance:	Green liquid.
(b) Odour:	Sweet smell.
(c) Odour threshold;	No data available.
(d) pH:	Not applicable.
(e) Melting point/freezing point;	> 100°C
(f) Initial boiling point and boiling range;	No data available.
(g) Flash point;	> 93°C
(h) Evaporation rate;	No data available.
(i) Flammability (solid, gas);	No data available.
(j) Upper/lower flammability or explosive limits;	No data available.
(k) Vapour pressure;	< = 666.6Pa
(l) Vapour density;	1.08
(m) Relative density;	No data available.
(n) Solubility(ies);	< 0.1% soluble in water.
(o) Partition coefficient: n-octanol/water;	No data available.
(p) Auto-ignition temperature;	No data available.
(q) Decomposition temperature;	No data available.
(r) Viscosity;	No data available.
(s) Explosive properties;	No data available.
(t) Oxidising properties.	No data available.

9.2 Other information

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Section 10. Stability and Reactivity.

10.1. Reactivity

Stable under recommended transport or storage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Heat. Direct sunlight. Sources of ignition.

10.5. Incompatible materials

Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

In combustion emits toxic fumes.



Section 11. Toxicological Information.

11.1. Information on toxicological effects

Hazardous ingredients:

2-HYDROXYPROPYL METHACRYLATE

ORL	MUS	LD50	7964	mg/kg
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2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE

IPR	RAT	LD50	55	mg/kg
ORL	RAT	LD50	5190	mg/kg

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

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
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CUMENE

ORL	MUS	LD50	12750	mg/kg
ORL	RAT	LD50	1400	mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Acute toxicity (harmful)	INH	Hazardous: calculated
Irritation	OPT INH DRM	Hazardous: calculated
Sensitisation	DRM	Hazardous: calculated

DRM - dermal

INH - inhalation

OPT - optical



Section 11. Toxicological Information, continued.

Symptoms / routes of exposure

- Skin contact:** There may be irritation and redness at the site of contact.
Irritation or pain may occur at the site of contact.
An itchy rash may occur at the site of contact. Blistering may occur.
- Eye contact:** There may be irritation and pain.
The eyes may water profusely.
Corneal burns may occur.
- Ingestion:** There may be soreness and redness of the mouth and throat.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.
Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12. Ecological Information.

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|--|---|
| 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 | This product is not identified as a PBT/vPvB substance. |
| 12.6. Other adverse effects | No data available. |

Section 13. Disposal Considerations.

- 13.1. Waste treatment methods**
Dispose of in accordance with local authority regulations.

Section 14. Transport Information.

This product does not require classification for transport.



Section 15. Regulatory Information.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available.

15.2. Chemical safety assessment
No data available.

Section 16. Additional Information.

Full text of Statements used in Section 3;

H226: Flammable liquid and vapour.

H242: Heating may cause a fire.

H301: Toxic if swallowed.

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.

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

H400: Very toxic to aquatic life.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

The above information is believed to be accurate and represents the best information currently available.

No warranty is expressed or implied by the above information.

We assume no liability resulting from use of the above information.

The end user should conduct their own investigations to determine the suitability of the above information for their particular purpose.

Issue level	Date	Revisions
1	08/04/2016	First issue.
2	27/03/2017	Format only.
3	10/01/2025	Section 3 / Section 8.
4	15/01/2025	Section 1.2 Section 4

End of Safety Data Sheet.