



Section 1. Product and Company Identification.

1.1 Model Number; SCS380 v1
1.2 Description; Quick-Set Liquid Metal 25ml
Hardener
Unique Formula Identifier (UFI): U93W-YUVU-M00W-SA48

1.3 Manufacturer;

Jack Sealey Ltd.	Jack Sealey (EU) Ltd
t/a Sealey Group.	t/a Sealey Group.
Kempson Way,	Farney Street,
Bury St. Edmunds,	Carrickmacross,
Suffolk,	Co. Monaghan,
IP32 7AR	A81 PK68
UK	Ireland

technicalcompliance@sealey.co.uk

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

Date of source compilation; 14/01/2025



Section 2. Hazards Identification.

2.1 Classification of the substance or mixture.

H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements.

Hazard pictogram(s)



Signal Word. Warning

Hazard statements;

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements;

P273 Avoid release to the environment.

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
Polymercaptan	-	25 – 50 %	Aquatic Chronic 3	Polymercaptan
2,4,6- tris(dimethylaminomethyl)phe nol	90-72-2	1 – 25 %	Acute Tox. 4 Skin Irrit. 2 Eye Irrit. 2	2,4,6- tris(dimethylaminomethyl)phe nol

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.

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist.
Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin Contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye Contact

Flush eyes with water or saline water (20-30 °C) for at least 5 minutes.
Remove contact lenses.
Seek medical assistance and continue flushing during transport.

Ingestion

If the person is conscious, rinse the mouth with water and stay with the person.
Never give the person anything to drink.
In case of bodily discomfort, seek medical advice immediately and bring the safety data sheet or label from the product.
Do not induce vomiting, unless recommended by the doctor.
Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

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

No data available.

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

No data available.



Section 5. Fire Fighting Measures.

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke.

Exposure to combustion products can harm health.

Closed container exposed to fire should be cooled with water.

Do not allow fire-extinguishing water to enter the sewage system, drains, rivers.

If the product is exposed to high temperatures, dangerous decomposition compounds are produced.

These are:

Sulphur oxides

Carbon oxides (CO / CO₂)

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

Ensure adequate ventilation

Avoid skin and eye contact.

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.

Do not released into the environment.

Prevent subsoil penetration.

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.

Do not use solvents.

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

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

Avoid direct contact with the substance.

Prohibit: Smoking, eating, drinking and the preparation of foodstuffs where materials are stored or handled.

Keep away from naked flame, heat sources and direct sunlight.

7.2. Conditions for safe storage, including any incompatibilities

Store in cool, well-ventilated area.

Keep container tightly closed.

Keep in original container.

7.3. Specific end use(s)

Intended for use as Quick-Set Liquid Metal, Model Number identified in 1.1 with Description stated in 1.2.

Section 8. Exposure Controls/Personal Protection.

8.1. Control parameters

Keep out of the reach of children.

Avoid contact with skin.

Do not empty into drains.

Wear suitable gloves.

Avoid release to the environment.

P273 Avoid release to the environment.

8.2. Exposure controls

Appropriate Engineering Controls

Ensure adequate ventilation.

Eye/Face Protection

Safety goggles or face shield.

Skin Protection

Nitrile Protective gloves.

Wear appropriate protective clothing to prevent contact with skin.

Respiratory Protection

Ensure adequate ventilation.



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:	Paste. Off white.
(b) Odour:	Sharp / pungent..
(c) Odour threshold;	No data available.
(d) pH:	No data available.
(e) Melting point/freezing point;	No data available.
(f) Initial boiling point and boiling range;	Not relevant.
(g) Flash point;	No data available.
(h) Evaporation rate;	No data available.
(i) Flammability (solid, gas);	No data available.
(j) Upper/lower flammability or explosive limits;	Not relevant.
(k) Vapour pressure;	No data available.
(l) Vapour density;	Not relevant.
(m) Density;	1.65 - 1.85 (25 °C)
(n) Solubility(ies);	Insoluble 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) Dynamic viscosity;	110000- 150000 mPa.s (25 °C).
(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	No data available.
10.2. Chemical stability	Stable under normal conditions.
10.3. Possibility of hazardous reactions	No data available.
10.4. Conditions to avoid	No data available.
10.5. Incompatible materials	Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.
10.6. Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products not produced.

Section 11. Toxicological Information.

11.1. Information on toxicological effects

No data available.



Section 12. Ecological Information.

12.1. Toxicity	Toxic to aquatic life with long lasting effects.
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	Does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
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.

Product in 1.1 with Description in 1.2 not regulated 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;

H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
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	14/01/2025	First issue.
2	13/08/2025	Template

End of Safety Data Sheet.



Section 1. Product and Company Identification.

1.1 Model Number; SCS380 v1
1.2 Description; Quick-Set Liquid Metal 25ml
Resin
Unique Formula Identifier (UFI): 473W-GU6F-A00D-4YJ6

1.3 Manufacturer;

Jack Sealey Ltd.	Jack Sealey (EU) Ltd
t/a Sealey Group.	t/a Sealey Group.
Kempson Way,	Farney Street,
Bury St. Edmunds,	Carrickmacross,
Suffolk,	Co. Monaghan,
IP32 7AR	A81 PK68
UK	Ireland

technicalcompliance@sealey.co.uk

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

Date of source compilation; 14/01/2025

Section 2. Hazards Identification.

2.1 Classification of the substance or mixture.

Skin Irrit. 2 H315: Causes skin irritation.

Skin Sens. 1 H317: May cause an allergic skin reaction.

Eye Irrit. 2 H319: Causes serious eye irritation.

Aquatic Chronic 2 H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements.

Hazard pictogram(s)



Signal Word. **Warning**

Hazard statements;

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

Precautionary statements;

P261 Avoid breathing mist/vapours/spray.

P264 Wash hands thoroughly after handling.

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

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

P337+P313 If eye irritation persists: Get medical advice/attention.

P391 Collect spillage.

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
bis-[4-(2,3-epoxipropoxy)phenyl]propane	1675-54-3	25 – 50 %	Skin Irrit. 2 Eye Irrit. 2 Skin Sens. 1 Aquatic Chronic 2	H315 H319 H317 H411
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	9003-36-5	1 – 25 %	Skin Irrit. 2 Skin Sens. 1 Aquatic Chronic 2	H315 H317 H411

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.

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist.
Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin Contact

IF ON SKIN: Wash with plenty of water and soap.
Remove contaminated clothing and shoes.
Ensure to wash exposed skin thoroughly with water and soap.
DO NOT use solvents or thinners.
If skin irritation occurs: Get medical advice/attention.

Eye Contact

If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops.
Remove contact lenses.
Make sure to flush under upper and lower eyelids.
If irritation continues, contact a doctor.
Continue flushing during transport.

Ingestion

If the person is conscious, rinse the mouth with water and stay with the person.
Do not give the person anything to drink.
In case of bodily discomfort, seek medical advice immediately and bring the safety data sheet or label from the product.
Do not induce vomiting, unless recommended by the doctor.
Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

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

Sensitisation: This product contains substances which may trigger allergic reaction upon dermal contact.
Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

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

If eye irritation persists: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.



Section 5. Fire Fighting Measures.

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke.

Exposure to combustion products can harm health.

Closed container exposed to fire should be cooled with water.

Do not allow fire-extinguishing water to enter the sewage system, drains, rivers.

If the product is exposed to high temperatures, dangerous decomposition compounds are produced.

These are:

Sulphur oxides

Carbon oxides (CO / CO₂)

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

Ensure adequate ventilation

Avoid skin and eye contact.

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.

Do not released into the environment.

Prevent subsoil penetration.

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.

Do not use solvents.

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

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

Avoid direct contact with the substance.

Prohibit: Smoking, eating, drinking and the preparation of foodstuffs where materials are stored or handled.

7.2. Conditions for safe storage, including any incompatibilities

Store in cool, well-ventilated area.

Keep container tightly closed.

Keep in original container.

7.3. Specific end use(s)

Intended for use as Quick-Set Liquid Metal, Model Number identified in 1.1 with Description stated in 1.2.



Section 8. Exposure Controls/Personal Protection.

8.1. Control parameters

Keep out of the reach of children.

Avoid contact with skin.

Do not empty into drains.

Wear suitable gloves.

Avoid release to the environment.

P261 Avoid breathing mist/vapours/spray.

P264 Wash hands thoroughly after handling.

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

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

P337+P313 If eye irritation persists: Get medical advice/attention.

P391 Collect spillage.

8.2. Exposure controls

Appropriate Engineering Controls

Ensure there is sufficient ventilation of the area.

Eye/Face Protection

Safety goggles or face shield.

Skin Protection

Nitrile Protective gloves.

Wear appropriate protective clothing to prevent contact with skin.

Respiratory Protection

Ensure adequate ventilation.



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:	Paste. Black.
(b) Odour:	No data available.
(c) Odour threshold;	No data available.
(d) pH:	No data available.
(e) Melting point/freezing point;	No data available.
(f) Initial boiling point and boiling range;	Not relevant.
(g) Flash point;	No data available.
(h) Evaporation rate;	No data available.
(i) Flammability (solid, gas);	No data available.
(j) Upper/lower flammability or explosive limits;	Not relevant.
(k) Vapour pressure;	No data available.
(l) Vapour density;	Not relevant.
(m) Density;	1.65 - 1.85 (25 °C)
(n) Solubility(ies);	Insoluble 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) Dynamic viscosity;	140000 - 180000 mPa.s (25 °C).
(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	No data available.
10.2. Chemical stability	Stable under normal conditions.
10.3. Possibility of hazardous reactions	No data available.
10.4. Conditions to avoid	No data available.
10.5. Incompatible materials	Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.
10.6. Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products not produced.

Section 11. Toxicological Information.

11.1. Information on toxicological effects
No data available.

Section 12. Ecological Information.

12.1. Toxicity	Toxic to aquatic life with long lasting effects.
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	Does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
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.

ADR. International Carriage of Dangerous Goods by Road.

14.1. UN number	UN 3082
14.2. Name and Description	Environmentally hazardous substance, liquid, n.o.s (Reaction products of Epichlorhydrin and Bisphenol F)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	Does not present an environmental hazard.
14.6. Special precautions for user	No special precautions necessary.

IATA. International Air Transport Association.

14.1. UN number	UN 3082
14.2. UN Proper Shipping Name/Description	Environmentally hazardous substance, liquid, n.o.s (Reaction products of Epichlorhydrin and Bisphenol F)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	Does not present an environmental hazard.
14.6. Special precautions for user	No special precautions necessary.

IMDG. International Maritime Dangerous Goods.

14.1. UN number	UN 3082
14.2. UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s (Reaction products of Epichlorhydrin and Bisphenol F)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	Does not present an environmental hazard.
14.6. Special precautions for user	No special precautions necessary.
14.7. Transport in bulk – Maritime only.	Bulk transport is not applicable to this product



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;

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

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

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Issue level	Date	Revisions
1	19/04/2016	First issue.
2	14/03/2017	Format only
3	14/01/2025	Section 1.2 Section 3 Section 4
4	13/08/2025	Template

End of Safety Data Sheet.