



Section 1. Product and Company Identification.

1.1 Model Number; SCS380 v1
1.2 Description; Quick-Set Liquid Metal 25ml

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; 08 September 2014

Section 2. Hazards Identification.

2.1 Classification of the substance or mixture.
Xi; R 36/38 R43 N; R51/53

Risk phrases;

R36/38: Irritating to eyes and skin.
R43: May cause sensitisation by skin contact.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases;

S2: Keep out of the reach of children.
S24: Avoid contact with skin.
S29: Do not empty into drains.
S37: Wear suitable gloves.
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

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;**

P264: Wash exposed skin thoroughly after handling.

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

P273: Avoid release to the environment.

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

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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
Bisphenol A-(Epichlorhydrin) {Reaction Product}	25068-38-6	40 - 60%	Eye Irrit. 2 Skin Irrit. 2 Skin Sens. 1 Aquatic Chronic 2	H319 H315 H317 H411
Barium Sulphate	7727-43-7	20 - 40%	Not classified	-
Limestone	1317-65-3	10 - 20%	Not classified	-
Talc	14807-96-6	1 - 5%	Not classified	-
Magnesium Carbonate	546-93-0	1 - 5%	Not classified	-

For full text of Phrases and Statements, see Section 16.



Section 4. First Aid Measures.

4.1 Description of first aid measures

Inhalation

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

Skin Contact

Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.
Get medical attention if any discomfort continues.

Eye Contact

Bathe the eye with running water for 15 minutes.
If symptoms persist get medical attention

Ingestion

Wash out mouth with water.
Do not induce vomiting.
If conscious, give half a litre of water to drink immediately.
Never give anything by mouth to an unconscious person.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and pain. The eyes may water profusely.

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.

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

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

No information available.

Section 5. Fire Fighting Measures.

5.1. Extinguishing media

Suitable extinguishing media for the surrounding fire should be used.

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 sulphur oxides.

In combustion emits toxic fumes of nitrogen oxides.

This material is toxic to aquatic life with long lasting effects, fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

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. Should not be released into the environment. Avoid 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.

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.

Store between 5-30°C.

Keep container tightly closed.

Keep in original container.

7.3. Specific end use(s)

Only to be used 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

S2: Keep out of the reach of children.

S24: Avoid contact with skin.

S29: Do not empty into drains.

S37: Wear suitable gloves.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

P264: Wash exposed skin thoroughly after handling.

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

P273: Avoid release to the environment.

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

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Workplace exposure limits:

	Respirable dust 8 hour TWA
BARIUM SULFATE	4 g/m ³
LIMESTONE	4 mg/m ³
TALC	1 mg/m ³
MAGNESIUM CARBONATE	4 mg/m ³

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

In case of inadequate ventilation or risk of inhalation, use suitable respiratory protection equipment with particle filter.



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:	Black paste.
(b) Odour:	Ethereal.
(c) Odour threshold;	No information available.
(d) pH:	No information available.
(e) Melting point/freezing point;	No information available.
(f) Initial boiling point and boiling range;	Not relevant.
(g) Flash point;	No information available.
(h) Evaporation rate;	No information available.
(i) Flammability (solid, gas);	No information available.
(j) Upper/lower flammability or explosive limits;	Not relevant.
(k) Vapour pressure;	No information available.
(l) Vapour density;	Not relevant.
(m) Relative density;	1.74
(n) Solubility(ies);	Insoluble in water.
(o) Partition coefficient: n-octanol/water;	No information available.
(p) Auto-ignition temperature;	No information available.
(q) Decomposition temperature;	No information available.
(r) Viscosity;	No information available.
(s) Explosive properties;	No information available.
(t) Oxidising properties.	No information available.

9.2 Other information

No information available.

Section 10. Stability and Reactivity.

10.1. Reactivity

No information available.

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

10.5. Incompatible materials

Strong oxidising agents. Acids. Bases. Amines.

10.6. Hazardous decomposition products

In combustion emits toxic fumes.



Section 11. Toxicological Information.

11.1. Information on toxicological effects

Hazardous ingredients:

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}

ORL	MUS	LD50	15600	mg/kg
ORL	RAT	LD50	11400	mg/kg
SKN	RBT	LD50	>20	ml/kg

Symptoms / routes of exposure

Skin contact There may be irritation and redness at the site of contact.

Eye contact There may be irritation and pain. The eyes may water profusely.

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.

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

Section 12. Ecological Information.

12.1. Toxicity	No information available.
12.2. Persistence and degradability	xxx
12.3. Bioaccumulative potential	xxx
12.4. Mobility in soil	xxx
12.5. Results of PBT and vPvB assessment	xxx
12.6. Other adverse effects	xxx

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 information available.

15.2. Chemical safety assessment
No information available.



Section 16. Additional Information.

Full text of Phrases and 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.

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	19/04/16	First issue.
2	14/03/17	Format only

End of Safety Data Sheet.