



Section 1. Product and Company Identification.

1.1 Model Number; SCS500 v1
1.2 Description; 25ml Rapid Set MMA Adhesive
Hardener – 12.5ml

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; 22nd November 2021

Section 2. Hazards Identification.

2.1 Classification of the substance or mixture.

Flam. Liq. 2: H225
Skin Corr. 1A: H314
Skin Sens. 1: H317
STOT SE 3: H335

2.2 Label elements.

Hazard pictogram(s)



Signal Word. Danger

Hazard statements;

H225: Highly flammable liquid and vapour.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.

Precautionary statements;

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241: Use explosion-proof electrical/ventilating/lighting/... equipment.
P261: Avoid breathing vapours.
P264: Wash contaminated skin thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312: Call doctor if you feel unwell.



P321: Specific treatment

P370+P378: In case of fire: Use media other than water to extinguish.

2.3 Other hazards.

Whilst in use, may form flammable / explosive vapour air-mixture.

Section 3. Substances.

3.1 Chemical Name (substance)	3.1 CAS No.	3.2 Concentration Weight	Classification	
			Hazard Class & Category Code	Hazard Statements ¹
Methyl Methacrylate	80-62-6	50% - 70%	Flam. Liq. 2 STOT SE 3 Skin Irrit. 2 Skin Sens. 1	H225 H335 H315 H317
Diethyl-Phenyl-Propyl- Dihydropyridine	34562-31-7	1% - 5%	-	-

¹For full text of 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
Seek medical attention.

Skin Contact

Remove all contaminated clothes and footwear immediately, unless stuck to skin.
Wash the affected skin with soap and water.
Seek medical attention.

Eye Contact

Wash the eye with running water for 15 minutes.
Seek medical attention.

Ingestion

Wash out mouth with water.
Seek medical attention immediately.

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 redness. The eyes may water profusely.

Ingestion : There may be soreness and redness of the mouth and throat.

Inhalation : Exposure may cause coughing or wheezing.

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 for the surrounding fire should be used,
Water to be used to cool down containers.

5.2. Special hazards arising from the substance or mixture

In combustion emits toxic fumes.

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

Do not attempt to take action without appropriate clothing.

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 containers 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.

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 Hardener for the 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
Methyl Methacrylate	80-62-6	50	208	100	416

8.2. Exposure controls

Appropriate Engineering Controls

Ensure there is sufficient ventilation of the area.

Eye/Face Protection

Safety glasses.

Ensure eye bath is to hand.

Skin Protection

Impermeable protective clothing.

Respiratory Protection

Self-contained breathing apparatus must be available.

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:	Off-white liquid
(b) Odour:	Characteristic odour
(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;	100°C
(g) Flash point;	11°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;	25 hpa
(l) Vapour density;	No data available
(m) Relative density;	0.97
(n) Solubility(ies);	Slightly soluble in water and most organic solvents.
(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

No data available



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	Will not occur under normal transport or storage conditions
10.4. Conditions to avoid	Heat
10.5. Incompatible materials	Strong oxidising agents and strong acids.
10.6. Hazardous decomposition products	In combustion, emits toxic fumes.

Section 11. Toxicological Information.

11.1. Information on toxicological effects

Methyl Methacrylate

IPR	RAT	LD50	1328 mg/kg
ORL	MUS	LD50	3625 mg/kg
ORL	RAT	LD50	7872 mg/kg

Diethyl-Phenyl-Propyl-Dihydropyridine

DERMAL	RBT	LD50	>1000 mg/kg
ORAL	RAT	LD50	>500 mg/kg

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

Eye Contact : There may be irritation and redness. The eyes may water profusely.

Ingestion : There may be soreness and redness of the mouth and throat.

Inhalation : Exposure may cause coughing or wheezing.

Section 12. Ecological Information.

12.1. Toxicity	No data available
12.2. Persistence and degradability	Biodegradable
12.3. Bioaccumulative potential	No bioaccumulation potential
12.4. Mobility in soil	Readily absorbed into soil
12.5. Results of PBT and vPvB assessment	this product is not identified as a PBT/vPvB substance
12.6. Other adverse effects	Negligible ecotoxicity.

Section 13. Disposal Considerations.

13.1. Waste treatment methods

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

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 1133
14.2. Name and Description	Adhesives containing flammable liquid
14.3. Transport hazard class(es)	3
14.4. Packing group	II
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 1133
14.2. UN Proper Shipping Name/Description	Adhesives containing flammable liquid
14.3. Transport hazard class(es)	3
14.4. Packing group	II
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 1133
14.2. UN proper shipping name	Adhesives containing flammable liquid
14.3. Transport hazard class(es)	3
14.4. Packing group	II
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 Phrases and Statements used in Section 3;

H225 Highly flammable liquid and vapour

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

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	15/09/2022	First issue.

End of Safety Data Sheet.



Section 1. Product and Company Identification.

1.1 Model Number; SCS500 v1
1.2 Description; 25ml Rapid Set MMA Adhesive
Resin - 12.5 ml

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; 22nd November 2021

Section 2. Hazards Identification.

2.1 Classification of the substance or mixture.

Flam. Liq. 2: H225
Skin Corr. 1A: H314
Skin Sens. 1: H317
STOT SE 3: H335

2.2 Label elements.

Hazard pictogram(s)



Signal Word. Danger

Hazard statements;

H225: Highly flammable liquid and vapour.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.

Precautionary statements;

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241: Use explosion-proof electrical/ventilating/lighting/... equipment.
P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P264: Wash contaminated skin thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Safety Data Sheet



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 doctor if you feel unwell.

P321: Specific treatment (see information on this label)

P370+P378: In case of fire: Use media other than water to extinguish.

2.3 Other hazards.

Whilst in use, may form flammable / explosive vapour air-mixture.

Section 3. Substances.

3.1 Chemical Name (substance)	3.1 CAS No.	3.2 Concentration Weight	Classification	
			Hazard Class & Category Code	Hazard Statements ¹
Methyl Methacrylate	80-62-6	50% – 70%	Flam. Liq. 2 STOT SE 3 Skin Irrit. 2 Skin Sens. 1	H225 H335 H315 H317
2-Methylpropenoic Acid	79-41-4	5% – 10%	Acute Tox. 4 Acute Tox. 4 Skin Corr. 1A	H312 H302 H314
Cumene Hydroperoxide	80-15-9	1% – 5%	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

¹For full text of 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
Ensure the casualty sits or lies down.
If unconscious and breathing is OK, place in the recovery position.
If breathing becomes bubbly, have the casualty sit and provide oxygen if available.
Seek medical attention.

Skin Contact

Remove all contaminated clothes and footwear immediately, unless stuck to skin.
Wash the affected skin with running water for 10 minutes.
Transfer to hospital if there are burns or symptoms of poisoning.

Eye Contact

Wash the eye with running water for 15 minutes.
Seek medical attention.

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.
Seek medical attention immediately.

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

Skin contact:	Blistering may occur. If not treated, progressive ulceration will occur.
Eye contact:	Corneal burns may occur.
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 burning sensation in the throat. Exposure may cause coughing or wheezing.

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

Eye bathing equipment should be available on the premises.



Section 5. Fire Fighting Measures.

5.1. Extinguishing media

Water spray, Carbon dioxide, Dry chemical powder, Alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

Corrosive.

In combustions, emits toxic fumes.

Highly flammable.

Vapour travel considerable distance to source of ignition and flash back.

Forms explosive air-vapour mixture.

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

Notify the police and fire brigade immediately.

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.

Eliminate all sources of ignition.

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

Clean up should be handled 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.

Do not use equipment in clean up procedure which may produce a spark.

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.
 Smoking near substance is forbidden.
 Use non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

Intended for use as Resin for the 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
Methyl Methacrylate	80-62-6	50	208	100	416
Methacrylic Acid	79-41-4	20	72	40	143

8.2. Exposure controls

Appropriate Engineering Controls

Ensure there is sufficient ventilation of the area.
 Ensure lighting and electrical equipment are not a source of ignition.

Eye/Face Protection

Tightly fitted safety goggles.
 Ensure eye bath is to hand.

Skin Protection

Impermeable 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:	Off-white liquid
(b) Odour:	Characteristic odour.
(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;	100°C
(g) Flash point;	11°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;	25 hpa
(l) Vapour density;	No data available
(m) Relative density;	0.97
(n) Solubility(ies);	Slightly soluble in water and most organic solvents.
(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 No data available

Section 10. Stability and Reactivity.

10.1. Reactivity	Stable under recommended transport or storage conditions.
10.2. Chemical stability	Stable under normal conditions and room temperature.
10.3. Possibility of hazardous reactions	Will not occur under normal conditions or storage conditions.
10.4. Conditions to avoid	Heat, hot surfaces, sources of ignition and flames.
10.5. Incompatible materials	Strong oxidising agents and strong acids.
10.6. Hazardous decomposition products	In combustion, emits toxic fumes.



Section 11. Toxicological Information.

11.1. Information on toxicological effects

Methyl Methacrylate

IPR	RAT	LD50	1328 mg/kg
ORL	MUS	LD50	3625 mg/kg
ORL	RAT	LD50	7872 mg/kg

2-Methylpropenoic Acid

ORL	MUS	LD50	1250 mg/kg
ORL	RAT	LD50	1600 mg/kg

Cumene Hydroperoxide

ORL	MUS	LDLO	5 mg/kg
ORL	RAT	LD50	382 mg/kg
SCU	RAT	LD50	382 mg/kg

Section 12. Ecological Information.

12.1. Toxicity	No data available
12.2. Persistence and degradability	Biodegradable
12.3. Bioaccumulative potential	No Bioaccumulative potential
12.4. Mobility in soil	Readily absorbed into soil
12.5. Results of PBT and vPvB assessment	This product is not identified as a PBT/vPvB substance.
12.6. Other adverse effects	Negligible ecotoxicity

Section 13. Disposal Considerations.

13.1. Waste treatment methods

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

Dispose of in accordance with local authority regulations.



Section 14. Transport Information.

ADR. International Carriage of Dangerous Goods by Road.

14.1. UN number	2920
14.2. Name and Description	Corrosive liquid, flammable, n.o.s (2-METHYLPROPENOIC ACID; METHYL METHACRYLATE)
14.3. Class	8
14.4. Packing group	II
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	2920
14.2. UN Proper Shipping Name/Description	Corrosive liquid, flammable, n.o.s (2-METHYLPROPENOIC ACID; METHYL METHACRYLATE)
14.3. Class or Division	8
14.4. Packing group	II
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	2920
14.2. UN proper shipping name	Corrosive liquid, flammable, n.o.s (2-METHYLPROPENOIC ACID; METHYL METHACRYLATE)
14.3. Class	8
14.4. Packing group	II
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 Phrases and Statements used in Section 3;

H225 Highly flammable liquid and vapour

H242 Heating may cause a fire.

H302 Harmful if swallowed.

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.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure

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	15/09/2022	First issue.

End of Safety Data Sheet.