Section 1. Product and Company Identification.

1.1 Model Number; SCS500 v1

1.2 Description; 25ml Rapid Set MMA Adhesive
Hardener – 12.5ml
Unique Formula Identifier (UFI): AEEK-CU93-6JGQ-Q311

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; 22/11/2021

Section 2. Hazards Identification.

2.1 Classification of the substance or mixture.

Flam. Liq. 2	H225
STOT SE 3	H335
Skin Irrit. 2	H315
Skin Sens. 1	H317

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.

Section 2 continued.

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	60 – 80 %	Flam. Liq. 2 STOT SE 3 Skin Irrit. 2 Skin Sens. 1	H225 H335 H315 H317
Diethyl-Phenyl-Propyl-Dihydropyridine	34562-31-7	5 – 10 %	-	-
Cyclohexane	110-82-7	< 0.05 %	Flam. Liq. 2 Asp. Tox. 1 STOT SE 3 Skin Irrit. 2 Aquatic Acute 1 Aquatic Chronic 1	H225 H304 H336 H315 H400 H410
Aniline	62-53-3	< 0.01 %	Carc. 2 Muta. 2 Acute Tox. 3 Acute Tox. 3 Acute Tox. 3 STOT RE 1 Eye Dam. 1 Skin Sens. 1 Aquatic Acute 1	H351 H341 H331 H311 H301 H372 H318 H317 H400

[1]For 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.
If skin irritation occurs: Get medical advice/attention.

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
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
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.
Ensure protection from static electricity.

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	60	208	100	416
Cyclohexane	110-82-7	100	350	300	1050
Aniline	62-53-3	1	4	-	-

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:	Yellow. Viscous mass.
(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;	No data available.
(g) Flash point;	12°C
(h) Evaporation rate;	No data available.
(i) Flammability (solid, gas);	Product is flammable.
(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 -

Section 10. Stability and Reactivity.

10.1. Reactivity	Highly reactive. Can auto-polymerise as a result of internal peroxide accumulation. Peroxides formed in these reactions are extremely shock and heat sensitive.
10.2. Chemical stability	Stable under normal conditions.
10.3. Possibility of hazardous reactions	No data available.
10.4. Conditions to avoid	Heat. Static electricity. Radiation.
10.5. Incompatible materials	Strong oxidising agents. Strong acids. Reducing agents.
10.6. Hazardous decomposition products	In normal conditions of storage, hazardous decomposition products not produced.

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	Very toxic to aquatic life with long lasting effects.
12.2. Persistence and degradability	Not biodegradable
12.3. Bioaccumulative potential	No data available.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	Not identified as a PBT/vPvB substance
12.6. Other adverse effects	Toxic to the environment. Can result in adverse effects to aquatic Organisms. Can cause adverse long-term effects to the aquatic environment.

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 Statements used in Section 3;

H225 Highly flammable liquid and vapour
H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H341 Suspected of causing genetic defects.
H351 Suspected of causing cancer.
H372 Causes damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very 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.
2	15/01/2025	Sections 1.2, 2.2, 3, 4, 8, 9, 10.

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 – 12.5ml
Unique Formula Identifier (UFI): 6K80-U7KE-QNMN-7DHY

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; 22/11/2021

Section 2. Hazards Identification.

2.1 Classification of the substance or mixture.

Flam. Liq. 2	H225
STOT SE 3	H335
Skin Irrit. 2	H315
Skin Sens. 1	H317
Acute Tox. 4	H302 H312
Skin Corr. 1A	H314

2.2 Label elements.

Hazard pictogram(s)

Signal Word. Danger

Hazard statements;
H225 Highly flammable liquid and vapour.
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.
H335 May cause respiratory irritation.

Section2 continued.

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	60 – 80 %	Flam. Liq. 2 STOT SE 3 Skin Irrit. 2 Skin Sens. 1	H225 H335 H315 H317
methacrylic acid;2-methylpropenoic acid	79-41-4	5 – 10 %	Acute Tox. 4 Acute Tox. 4 Skin Corr. 1A	H312 H302 H314
Tosyl chloride	98-59-9	1 – 3 %	-	-
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, reaction products with phosphorus oxide	1187441-10-6	1 – 3 %	-	-
Diisopropylbenzene hydroperoxide	6762-93-6	1 – 3 %	-	-
phosphoric acid, orthophosphoric acid	7664-38-2	< 0.25 %	7664-38-2	H314
Cyclohexane	110-82-7	< 0.05 %	Flam. Liq. 2 Asp. Tox. 1 STOT SE 3 Skin Irrit. 2 Aquatic Acute 1 Aquatic Chronic 1	H225 H304 H336 H315 H400 H410

[1]For 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.
If skin irritation occurs: Get medical advice/attention.

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
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
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.
Ensure protection from static electricity.

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	60	208	100	416
Aniline	62-53-3	1	4	-	-
methacrylic acid;2-methylpropenoic acid	79-41-4	20	72	40	143
Tosyl chloride	98-59-9		-	-	5
phosphoric acid, orthophosphoric acid	7664-38-2	-	1	-	2
Cyclohexane	110-82-7	100	350	300	1050

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:	Off white. Highly viscous mass.
(b) Odour:	Solvent.
(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;	No data available.
(g) Flash point;	4°C
(h) Evaporation rate;	No data available.
(i) Flammability (solid, gas);	Product is flammable.
(j) Upper/lower flammability or explosive limits;	No data available.
(k) Vapour pressure;	No data available.
(l) Vapour density;	No data available.
(m) Relative density;	No data available.
(n) Solubility(ies);	No data available.
(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 -

Section 10. Stability and Reactivity.

10.1. Reactivity	Highly reactive. Can auto-polymerise as a result of internal peroxide accumulation. Peroxides formed in these reactions are extremely shock and heat sensitive.
10.2. Chemical stability	Stable under normal conditions.
10.3. Possibility of hazardous reactions	No data available.
10.4. Conditions to avoid	Heat. Static electricity. Radiation.
10.5. Incompatible materials	Strong oxidising agents. Strong acids. Reducing agents.
10.6. Hazardous decomposition products	Thermal decomposition can produce corrosive vapours.

Section 11. Toxicological Information.

11.1. Information on toxicological effects

Tissue-damaging effects:
This product contains substances with skin corrosive properties.
Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing.
Dermal contact and contact with the eye cause irreversible effects.
Neurotoxic effects:
This product contains organic solvents, which may cause adverse effects to the nervous system.
Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness.
Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer.

Section 12. Ecological Information.

12.1. Toxicity	Very toxic to aquatic life with long lasting effects.
12.2. Persistence and degradability	Not biodegradable
12.3. Bioaccumulative potential	No data available.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	Not identified as a PBT/vPvB substance
12.6. Other adverse effects	Toxic to the environment. Can result in adverse effects to aquatic Organisms. Can cause adverse long-term effects to the aquatic environment.

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 Statements used in Section 3;

H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
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.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very 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	15/01/2025	First issue.
2	09/04/2025	Section 1.2

End of Safety Data Sheet.