

Safety Data Sheet

According to 1907/2006/EC, Article 31

Date of Issue: 01.06.2026

Section 1: identification of the substance/mixture and of the company / undertaking		Doc Ref: SG643SDS
1.1 Product identifier		
Product Name	SprayGlass 643 Epoxy Vinyl Ester resin	
1.2. Relevant identified	uses of the substance or mixture and uses advised against	
Product use	(SU3) Industrial uses: Uses of substances as such or in preparations at industrial sites; (SU15) Manufacture of fabricated metal products, except machinery and equipment; (PC9a) Coatings and paints, thinner, paint removers; ----- (SU3) Industrial uses: uses of substances as such or in preparations at industrial sites; (SU19) Building and construction work; (PC9a) Coatings and paints, thinners, paint removers; ----- (SU22) Professional uses: Public domain (administration, education, entertainment, services, craftsmen; (SU15) Manufacture of fabricated metal products, except machinery and equipment; (PC9a) Coatings and paints, thinners, paint removers; ----- (SU22) Professional uses: Public domain (administration, education, entertainment, services, craftsmen; (SU19) Building and construction work; (PC9a) Coatings and paints, thinners, paint removers; (SU21) Consumer uses: Private households (=general public=consumers);	
Restricted use		
1.3. Details of the	Supplier of Safety data sheet	
Company Address	Sprayglass International Ltd Roall Lane, Kellington North Yorkshire DN14 0NY	
Telephone Fax	01977 663111 01977 663222	
1.4. Emergency Telephone		
Emergency Telephone	01977 663111 9.00 am -5.00pm Mon-Friday	
SECTION 2:	Hazards Identification	
2.1. Classification of the	Substance or mixture	
2.1.1. Classification – 67/548/EEC	Xn; R20-48/20-63 Xi R36/37/38 R10 Symbols: Xn: Harmful.	
Main Hazards	Flammable. Harmful by inhalation. Irritating to eyes, respiratory system, and skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of harm to the unborn child.	
2.1.2 classification- EC 1272/2008	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Acute Tox. 4: H332; STOT SE 3: H335; Repr. 2: H361d; STOT RE 1: H372;	
2.2. Label elements		
Hazard Pictograms		
Signal Word	Danger	

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Hazard Statement	Flam. Liq. 3: H226- Flammable liquid and vapour. Skin Irrit. 2: H315 – Causes skin irritation. Eye Irrit. 2: H319- Causes serious eye irritation. Acute Tox. 4: H332 – Harmful if inhaled. STOT SE 3: H335 – May cause respiratory irritation. Repr. 2: H361d – Suspected pf damaging the unborn child. STOT RE 1: H372- Causes damage to organs through prolonged or repeated exposure					
Precautionary statement: Prevention	P210- Keep away from heat/sparks/open flames/hot surfaces.-No smoking. P214- Use explosion- proof electrical/ ventilation/lighting//equipment. P243- Take precautionary measures against static discharge. P260- Do not breathe dust/fume/gas/mist/vapours/spray. P280- Wear protective gloves/protective clothing/eye protection /face protection.					
Precautionary statement: Response	P303+P361+P353- IF ON SKIN or hair: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.					
2.3. Other Hazards						
Other hazards	Take precautionary measures against static discharge. Vapours are heavier than air. Vapour may travel considerable distance to source of ignition and flash back.					
SECTION 3:	Composition/information on ingredients					
3.1. Substances						
67/548/EEC /1999/45/EC						
Chemical names	Index no.	CAS No.	EC No.	Reach registration Number	(%w/w)	Conc. Classification
Styrene Monomer (Styrene)	601-026-00-0	100-42-5.	202-851-5		>35- <50%	Xn; R20-48/20-63Xi R36/38 R10
2-Methylpropenoic acid (Methacrylic acid)	607-088-00-5	79-41-4.	201-204-4		≥ 1-< 5%	Xn; R21/22C; R35
EC 1272/2008						
Chemical names	Index no.	CAS No.	EC No.	Reach registration Number	(%w/w)	Conc. Classification
Styrene Monomer (styrene)	601-026-00-0	100-42-5.	202-851-5		≥ 35- <50%	Flam. liq. 3: H226; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Acute Tox. 4: H332; Repr. 2: H361d; STOT RE 1: H372;
2-Methylpropenoic acid (Methacrylic acid)	607-088-00-5	79-41-4.	201-204-4		≥ 1- <5%	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1A: H314;
SECTION 4:	First Aid Measure					
4.1. Description	Of first aid measures					
Inhalation	Move the exposed person to fresh air.					
Eye Contact	Rinse immediately with plenty of water for 15 minutes.					
Skin Contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.					
Ingestion	Rinse mouth thoroughly					
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4.2	Most important	Symptoms and effects, both acute and delayed
Inhalation		Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Inhalation may cause nausea and vomiting. May cause dizziness and headache.
Eye Contact		Irritating to eyes.
Skin Contact		Irritating to Skin.
Ingestion		Ingestion may cause nausea and vomiting.
4.3	Indication of any	Immediate medical attention and special treatment needed
		If you feel unwell, seek medical advice (show the label where possible)
General information		
		Never give anything by mouth to an unconscious person. Wash all contaminated clothing before reuse.
SECTION 5:		Firefighting measures
5.1.	Extinguishing media	
		Use as appropriate: Foam, Carbon dioxide (CO ₂), Dry Chemical.
5.2.	Special Hazards	arising from the substance or mixture
		Burning produces obnoxious and irritating fumes. Vapours are heavier than air. Vapour may travel considerable distance to source of ignition and flash back.
5.3.	Advice for	firefighters
		Wear suitable respiratory equipment when necessary.
SECTION 6:		Accidental release measures
6.1.	Personal precautions,	protective equipment and emergency procedures
		Ensure adequate ventilation of the working area. Eliminate all sources of ignition. Wear suitable protective equipment. See section 8 for further information.
6.2.	Environmental	precautions
		Prevent further spillage if safe. Do not allow product to enter drains.
6.3.	Methods and	material for containment and cleaning up
		Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal.
6.4.	Reference	To other sections
		See section 8, 13 for further information.
SECTION 7:		Handling and storage
7.1.	Precautions	for safe handling
		Adopt best manual handling considerations when handling, carrying, and dispensing. Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Keep away from sources of ignition-No smoking. Take precautionary measure against static discharges. When using do not eat, drink or smoke.
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7.2.	Condition for	safe storage, including any incompatibilities	
		Keep container tightly closed. Keep in a cool, dry, well ventilated area. Keep away from food, drink, and animal feeding stuffs. Keep away from sources of ignition- no smoking.	
7.3.	Specific end	use(s)	
		See section 1.2 for further information.	
SECTION 8:		Exposure controls/personal protection	
8.1.	Control	Parameters	
		Not regulated	
8.1.1.	Exposure	limit values	
2-methylpropenoic acid (methacrylic acid)		WEL 8-hr limit ppm:20	WEL 8-hr limit mg/m3: 72
		WEL 15 min limit ppm: 40	WEL 15 min limit mg/m3: 143
Styrene Monomer (styrene)		WEL 8-hr limit ppm:100	WEL 8-hr limit mg/m3: 430
		WEL 15 min limit ppm: 250	WEL 15 min limit mg/m3: 1080
8.2	Exposure	Controls	
		   	
8.2.1	Appropriate engineering Controls	Ensure adequate ventilation of the working area.	
	Eye/face protection	Wear eye/face protection	
	Skin protection- Hand protection	Wear suitable gloves.	
	Skin protection-Other	Wear suitable protective clothing.	
	Respiratory protection	Wear suitable respiratory equipment when necessary.	
SECTION 9:		Physical and chemical properties	
9.1.	Information on	Basic physical and chemical properties	
	State	Viscous liquid.	
	Odour	Pungent	
	Vapour pressure	Not determined	
	Vapour density	3.6 (Air =1)	
	Relative density	1.08 g/cm³ (25°C)	
	Partition coefficient (n-octanol/water)	Not determined	
	Auto ignition temperature	490°C	
	Viscosity	No data available	
	Explosive	Not determined	
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Oxidising Ph	Not relevant
Freezing point	Not determined
Boiling point	145°C
Flash point	33°C Closed cup, ISO 1523
Evaporation rate	12.4 (compared with butyl acetate)
Solubility	Insoluble in cold and hot water.
Flammability (solid, gas)	Combustible when exposed to heat or flame.
Further information	
	Multi-coloured coatings.
SECTION 10: Stability and reactivity	
10.1. Reactivity	
	Avoid sparks, flames, heat, and sources of ignition. Oxidising agents. Peroxides. May polymerize.
10.2. Chemical stability	
	Flammable liquid.
10.3. Possibility of hazardous reactions	
	Keep cool. Protect from sunlight. Heat. Peroxides. May polymerize.
10.4. Conditions to avoid	
	Heats, sparks, and open flames.
10.5. Incompatible materials	
	Acids, Alkali metals. Peroxides. Strong oxidising agents. Sunlight.
10.6. Hazardous decomposition products	
	Carbon oxides. Aliphatic hydrocarbons. Aromatic hydrocarbons. Nitrogen oxides. Burning produces obnoxious and irritating fumes.
SECTION 11: Toxicological Information	
11.1 Information on Toxicological effects	
Acute toxicity	Harmful by inhalation.
Skin corrosion/irritation	Irritating to skin.
Serious eye damage/irritation	Irritating to eyes.
Reproductive toxicity	Possible risk of harm to the unborn child.
STOT-repeated exposure	Cause damage to organs (hearing) through prolonged or repeated exposure.
11.1.4. Toxicological Information	
Styrene Monomer	Inhalation Rat LC50/4 h: 12 mg/l Oral Rat LD50: 5000 mg/kg Dermal Rat LD50: >2000 mg/kg
SECTION 12: Ecological Information	
12.1. Toxicity	
Styrene Monomer	Daphnia EC50/48 h: 4.7 mg/l Fish LC50/96 h: 4.02 mg/l Algae IC50/72 h: 4.9 mg/l

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12.2.	Persistence and degradability	
		No data is available on this product.
12.3.	Bio accumulative Potential	
		No data is available on this product.
12.4.	Mobility In soil	
		No data is available on this product.
12.5.	Results of PBT and vPvB assessment	
		No data is available on this product.
12.6.	Other adverse effects	
		No data is available on this product.
SECTION 13: Disposal Considerations		
General information		
		Dispose of as special waste in compliance with local and national regulations.
Disposal methods		
		Contact a licensed waste disposal company.
Disposal of packaging		
		Contact a licensed waste disposal company.
Further information		
		EWC. 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances.
SECTION 14: Transport Information		
Hazard pictograms		
		
14.1.	UN Number	
		UN1866
14.2.	UN proper shipping name	
		RESIN SOLUTION
14.3.	Transport hazard class (es)	
	ADR/RID	3
	Subsidiary risk	-
	IMDG	3
	Subsidiary risk	-
	IATA	3
	Subsidiary risk	-
14.4.	Packing Group	
	Packing group	111
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14.5. Environmental hazards	
Environmental hazards	No
Marine pollutant	No
ADR/RID	
Hazard ID	30
Tunnel category	(D/E)
IMDG	
EmS Code	F-E, _ S-E_
IATA	
Packing instruction (cargo)	366
Maximum quantity	220L
Packing instruction (passenger)	355
Maximum quantity	60L
SECTION 15: Regulatory	Information
15.1. Safety, health and	environmental regulations/legislation specific for the substance or mixture
Regulations	Commission regulation (EU) No 453/2010 of 20 May 2010 amending regulation (EC) No 1907/2006 of the European parliament and of the council on the registration, evaluation, authorisation and restriction of chemicals (REACH), establishing a European chemicals agency, amending directive 1999/45/EC and repealing council regulation (EEC) No 793/93 and commission regulation (EC) No1488/94 as well as council directive 76/769/EEC and commission directive 91/155/EEC, 93/67/ EEC, 93/105/EC and 2000/21/EC.
15.2. Chemical	Safety assessment
	Not normally required.
SECTION 16: Other	Information
Other information	
Data sources	ECHA http://echa.europa.eu/information-on-chemicals .
Text of risk phrases in section 3	R10- Flammable. R20-Harmful by inhalation. R21/22-Harmful in contact with skin and if swallowed. R35- Causes severe burns. R36/38-Irritating to eyes and skin. R48/20- Harmful: danger of serious damage to health by prolonged exposure through inhalation. R63- Possible risk of harm to unborn child.
Text of hazard statements in section 3	Flam. Liq. 3: H226- Flammable liquid and vapour. Skin Irrit. 2: H315- Causes skin irritation. Eye Irrit. 2: H319- Causes serious eye irritation. Acute Tox. 4: H332- Harmful if inhaled. Repr. 2: H361d- Suspected of damaging the unborn child. STOT RE 1: H372- Causes damage to organs through prolonged or repeated exposure. Acute Tox. 4: H302 – Harmful if swallowed. Acute Tox. 4: H312 – Harmful in contact with skin. Skin corr. A1; H314- Causes severe skin burns and eye damage.
General information	The information supplied in this safety data sheet is designed only as guidance for the safe use, storage, and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
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