



SAFETY DATA SHEET

S9 Lightweight Deep Fill Filler

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name S9 Lightweight Deep Fill Filler
Chemical name POLYESTER RESIN KIT

1.2. Relevant identified uses of the substance or mixture and uses advised

against Identified uses FAIRING PUTTIES
AUTOMOTIVE INDUSTRY

1.3. Details of the supplier of the safety data sheet

Supplier **Amba Group**
Unit 3, Castlehill Business Park
Flexford Road
North Baddesley
SO52 9DF
Phone: +44 2380 251100
Web: www.baxt-products.co.uk

Contact Person **R&D Department**

1.4. Emergency telephone number

Amba Group = +44 2380 251100

SECTION 2: HAZARDS IDENTIFICATION

Emergency overview

Liquid.

Clear Slight Hazy, yellow
typical

Toxic Risk of serious damage to eyes. Irritating. Toxic to the environment. Fire/explosion hazards Under normal conditions of storage and use, hazardous reactions will not occur.

Gas/vapour is heavier than air and may travel along the floor to a source of ignition and flash back.

2.1. Classification of the substance or mixture

FLAMMABLE LIQUIDS - Category 3

ACUTE TOXICITY (inhalation) – Category 4 SKIN CORROSION / IRRITATION – Category 2

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) – Category 3

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) – Category 1 ACUTE AQUATIC HAZARD – Category 2

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2.2. Label elements



Signal word : Danger

Hazard statements : H226 - Flammable liquid and vapour.
H319 - Causes serious eye irritation.
H315 - Causes skin irritation.
H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary statements - Code

Prevention :

P280 - Wear protective gloves: 4 - 8 hours (breakthrough time): fluor rubber (Viton) (0.70 mm); < 1 hour (breakthrough time): Chloroprene, nitrile rubber (0.2 mm). Wear eye or face protection.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P233 - Keep container tightly closed.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P260 - Do not breathe vapour.
P270 - Do not eat, drink or smoke when using this product. P264 - Wash hands thoroughly after handling.

Response :

P314 - Get medical attention if you feel unwell.
P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.



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P302 + P352 + P362 + P364 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.

P332 + P313 - If skin irritation occurs: Get medical attention.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

Storage :

P405 - Store locked up.

P403 - Store in a well-ventilated place.

P235 - Keep cool.

Disposal :

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Physical/chemical hazards : Flammable. Gas/vapour is heavier than air and may travel along the floor to a source of ignition and flash back.

Human health hazards : Harmful by inhalation. Irritating to eyes and skin.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture : Mixture
Other means of identification : Not available.
CAS number/other identifiers
CAS number : Not applicable.
EC number : Mixture.

Ingredient name	%	CAS number
Styrene	30 - 40	100-42-5
Unsaturated Polyester Resin	20 - 40	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.



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SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Eye contact :Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

Get medical attention following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

Eye contact	: Causes serious eye irritation.
Inhalation	: Harmful if inhaled. May cause respiratory irritation.
Skin contact	: Causes skin irritation.
Ingestion	: Irritating to mouth, throat and stomach.
Eyes	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin	:Adverse symptoms may include the following: irritation

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

Treat symptomatically.



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SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Flammable liquid and vapour. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. This material is toxic to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. Gas/vapour is heavier than air and may travel along the floor to a source of ignition and flash back.

5.3. Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

6.2. Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material.

May be harmful to the environment if released in large quantities.

6.3. Methods and material for containment and cleaning up

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas.

Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spill product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.



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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

7.2. Conditions for safe storage, including any incompatibilities

Do not store above the following temperature: 30°C (86°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Ventilation required along the floor. Store in original container, protected from direct sunlight. Keep away from heat and direct sunlight.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

8.2. Exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Respiratory equipment

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. 4 - 8 hours (breakthrough time): fluor rubber (Viton) (0.70 mm) < 1 hour (breakthrough time): Chloroprene, nitrile rubber (0.2 mm)

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.



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Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Skin protection

Wear appropriate clothing to prevent any possibility of skin contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Tranparent, liquid
Colour	Yellow
Odour	Mild.
Solubility	Insoluble in water.
Initial boiling point and boiling range	>150°C
Melting point	Not applicable.
Flash point	> 32 °C

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stable under recommended storage and handling conditions (see Section 7).

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas..

10.5. Incompatible materials

Strong oxides.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.



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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Product/ingredient name	Result	Species	Dose	Exposure
Styrene	LC50 Inhalation Vapour	Rat	12 g/m ³	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	5000 mg/kg	-
Product/ingredient name	Result	Species	Score	Observation
Styrene	Respiratory - Irritant	Mammal - species unspecified	-	-

Serious eye damage/irritation

Spray and vapour in the eyes may cause irritation and smarting.

Skin corrosion/irritation

Liquid may irritate skin.

Germ cell mutagenicity

Genotoxicity - In Vitro/ In Vivo

No data available.

Carcinogenicity

There is no data to carcinogenic.

Inhalation

In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

Ingestion

May cause discomfort if swallowed.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/ingredient name	Result	Species	Exposure
Styrene	Acute EC50 4.9 mg/l	Algae	72 hours
	Acute EC50 4.7 mg/l	Daphnia	48 hours
	Acute LC50 4.02 mg/l	Fish	96 hours
	Chronic NOEC 1.01 mg/l	Daphnia	21 days



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12.2. Persistence and degradability

No data available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Styrene	-	-	Readily

12.3. Bioaccumulative potential

No data available.

Product/ingredient name	LogPow	BCF	Potential
Styrene	3	13.49	low

12.4. Mobility in soil

The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible




This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers



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SECTION 14: TRANSPORT INFORMATION

	UN	IMDG	IATA
UN number	UN3269	UN3269	UN3269
UN proper shipping	POLYESTER RESIN KIT	POLYESTER RESIN KIT	POLYESTER RESIN KIT
Transport hazard class(es)	3 	3 	3 
Packing group	III	III	III
Environmental hazards	No.	No.	No.
Additional information	<p>Special provisions 223</p> <p>Viscous substance exemption This class 3 material can be considered non hazardous in packagings up to 450 L. Exempted according to 2.3.2.5 (Viscous substance)</p>	<p>Emergency schedules (EmS) F-E, _S-E_</p> <p>Special provisions 223, 955</p> <p>Viscous substance This class 3 material can be considered non hazardous in packagings up to 30 L. Exempted according to 2.3.2.5 (Viscous substance)</p>	<p>Passenger and Cargo Quantity limitation: 60 L Packaging instructions: 355</p> <p>Cargo Aircraft OnlyQuantity limitation: 220 L Packaging instructions: 366</p> <p>Limited Quantities - Passenger AircraftQuantity limitation: 10 L Packaging instructions: Y344</p> <p>Special provisions A3</p>

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Guidance Notes

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. System of specific information relating to Dangerous Preparations. 2001/58/EC.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.



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SECTION 16: OTHER INFORMATION

Information Sources

This SDS is prepared based on the information received from the product owner.

Revision Comments

This is a first issue.

Disclaimer

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.