

ADOFIX– General Purpose Building Adhesive

1. Identification of Preparation and of Company

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2. Composition/information on Ingredients

These products are considered to be as a preparation in conformance to EC directive No.1907/2006

Product Description: Building Adhesive

Composition / Information on Ingredients

Number:	%W/W:	CAS Number:	Chemical Name
1	12.5 - 16.0	100 - 42- 5	Styrene
Number:	EEC number:	Symbols:	Risk Phrases
1	601 - 026 - 00 - 0	Xn	R10, R20,R36 & R38

Other Information

Balance: Non-hazardous ingredients

3. Hazards Identification:

Specific hazards:

Physical and chemical hazards:

Harmful (Xn) Flammable (R 10)

4. First - Aid Measures - If in doubt or where symptoms persist, seek medical attention.

Inhalation: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped administer respiration. Give nothing by mouth. If unconscious place in recovery position. Seek medical advice.

Skin Contact: Wash thoroughly with soap and water. If symptoms persist seek medical advice.

Eye Contact: Irrigate copiously with clean, fresh water for at least 10 minutes, holding eyelids apart. Seek medical advice.

Ingestion: If accidentally swallowed. DO NOT INDUCE VOMITING. Keep at rest and seek medical advice.

5. Fire Fighting Measures

Extinguisher media suitable: Carbon Dioxide, foam and dry powder

Not suitable: Water

Protection of fire fighters:

Wear individual breathing apparatus.

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6. Accidental Release Measures

Personal precautions: Wear Personal Protective Equipment (PPE) e.g. gloves.

Environmental precautions: Do not discharge into sewers.

Methods of Cleaning up

Recovery Contain and collect any liquid spillage with non - combustible absorbent materials, e.g. sand, earth vermiculite or diatomaceous earth, and place in a suitable container for disposal according to local regulations.

Disposal Dispose of by using an authorized collection agent and ensure waste material is taken to an authorized disposal station.

7. Handling and Storage Handling***Prevention of worker exposure:***

Ensure efficient ventilation when using this product. Eating, drinking or smoking should be prohibited in the work area. Close containers after use.

Prevention of fire and explosion Storage

Stable under normal conditions. Store in a cool, well ventilated place away from direct sunlight and all sources of ignition. Keep container away from oxidizing materials.

8. Exposure Controls/Personal Projection Occupational Exposure Limits (TLV - TWA, TLV - STEL) Product Name: Styrene

8 Hours (VME)	10 min. -Short Period (VLE):	According to: UK
ppm	ppm	
100 mg/m ³	250mg/m ³	

Personal Protective Equipment:

Respiratory Protective Equipment: Avoid the inhalation of vapors and particulate. Where reasonably practicable this should be achieved by local exhaust ventilation. In case of insufficient ventilation during application/preparation wear suitable respiratory **equipment. When sanding wear dust mask.**

Hand Protection: Wear solvent resistant gloves when handling uncured material.

Eye Protection: Wear eye protection when mixing.

Skin & Body Protection: Wear appropriate protective clothing.

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9. Physical and Chemical Properties

Appearance	Physical state:	Grey/ Can be pigmented
Risk of Fire of Explosion	Odour	Aromatic
	Boiling point range:	>145 °c
	Flash Point:	31°c
	Auto - ignition temperature:	490°c
	Explosive of flammable limits in air:	Lower: 1.1 Upper: 6.1

Vapour Pressure Relative Density (water) Solubility 6.52mb (652N/m2) at 20°c (Styrene)

Density	1.7-1.8
In water	Insoluble
In organic Solvents	Soluble in aromatic solvents Soluble in aliphatic solvents
Viscosity	Approx 1,000,000 centi-poise

10. Stability and Reactivity

Stability:	Stable under normal conditions. Heat and light.
Conditions to avoid	Heat and Light
Hazardous reactions with	Strong oxidizing agents, peroxides.

11. Toxicological Information

Acute toxicity LD50: An oral LD50 Of 5g/kg has been reported for styrene.

LC50: Values in rats ranging between 2770 - 6000ppm are reported for styrene.

Skin irritation May cause skin irritation on prolonged contact.

Eye irritation Irritating to eyes.

Inhalation Harmful by inhalation.

Carcinogenicity No evidence to suggest that Styrene is carcinogenic to humans

12. Ecological Information Persistence/degradability

COD/thOD at days	5	10	15	20
Freshwater	65	65	78	87
Salt Water	8	12	21	80

Aquatic Toxicity Marine Hazard Harmful to aquatic organisms. Do not discharge into drains or the environment. Dispose to an authorized waste collection station via a licensed contractor.

14. Transport Information

Sea (IMDG)

Proper shipping name: Paint related material

IMDG code: 3372

UN number: 1263

Class: 3.3

Packing group: III

Marine pollutant (p or pp): P

Land (RID/ADR):

Transport Name: Paint related material

RID/ADR class: 3.3

Trem - card number: CEFIC TEC(R) - 30G36 1263

UN number: 1263

AIR (ICAO/IATA):

Un number: 1263

Proper shipping name: Paint related material

Class: 3.3

Packing group: III

15 Regulatory Information**Product Description: Labeling according to EC directives** Polyester filler paste.

EEC - number: N/A

Symbol(s): **X** Xn HarmfulRisk phrase(s): R 10 - Flammable
R20 - Harmful by inhalation
R36/38 Irritating to the eyesSafety phrase(s) S1/2 - Keep locked up and out of reach of children.
S16 - Keep away from sources of ignition S23 - Do not breathe vapour
S46 - If swallowed seek medical advice immediately
S51 - Use only in a well ventilated area**Material Safety Data Sheet** According to EC - directive 1907/2006

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16. Other Information

The main hazard likely to be encountered during refinishing operations is the production of airborne dust which should be regarded as a potential danger to health. The main hazard likely to be encountered when mixing fillers is vapour which should also be regarded as a potential risk to health. References should be made to the following HSE publications: EH40, EH42 & EH44.

This data sheet has been prepared in accordance with the requirements of EC Directives 93/112/EC and the chemical (Hazard information and packaging for supply) Regulations 1994

The information and recommendations contained herein are to the best of Melia Manufacturing Ltd knowledge and belief, accurate and reliable as of the date issued, but is offered without guarantee or warranty. They relate to the specific material designated and may not be valid for such material used in combination with other materials or in any other process. Conditions of use of the material are under the control of the user; therefore, it is the responsibility of the user to satisfy him or her as to the suitability and completeness of such information for any particular use.

Technical Data

Appearance	(uncured) Grey,, (cured) Grey. Pigmented as required
S.G	1.431
Gel Time	25 Mins @ 20c, 30Mins @ 15c, 35/40 Mins @ 10c, >45mins @ 6c
Cure Time	60 minutes @ 20c
Shelf Life	Minimum of 24 months if stored in a dry place not exceeding 20c or lower than 6c
Mixing Ratio	4% hardener paste by weight of Adhesive
V.O.C	Low VOC content <291g/L