

## Safety Data Sheet

### 1. Identification of the substance / preparation and the Company

#### 1.1 Identification of the substance or preparation

Product name SOLID TRASPARENT GLUE KIT

#### 1.2 Use of the substance / preparation

#### 1.3 Company identification

Name ABRASIVI ADRIA S.r.l.  
Full address Via dell'Industria, 63  
District and Country 37010 S. Ambrogio di Valpolicella (VR)  
Italia  
Tel. +39 045 6861311  
Fax +39 045 6860323

e-mail address of the competent person responsible for the Safety Data Sheet malvezzi@abrasiviadria.com

Product distribution by ABRASIVI ADRIA S.r.l.

#### 1.4 Emergency telephone

For urgent inquiries refer to +39 045 6861311

### 2. Hazards Identification

#### 2.1 Substance/Preparation Classification

This preparate is dangerous under 67/548/EEC and 1999/45/EC directives and subsequent amendments. Therefore, this preparate requires a safety data sheet according to the Regulation (EC) 1907/2006 and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbols: Xn  
Phrases R: 10-20-36/38

#### 2.2 Danger Identification

Because of its chemical-physical features, this product is graded as flammable (flash-point 21 °C or higher and 55 °C or lower ).

HARMFUL BY INHALATION.  
IRRITATING TO EYES AND SKIN.

### 3. Composition / Information on ingredients

Contains:

Name	Concentration C	Classification
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**STYRENE**

20 &lt;= C &lt; 40

Cas No 100-42-5  
CE No 202-851-5  
Index No 601-026-00-0Xn R10  
Xi R20  
R36/38  
Note D

The complete text of -R- phrases is specified in section 16.

#### 4. First aid measures

**EYES:** Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

**SKIN:** Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists, seek medical attention. Wash contaminated clothing before using them again.

**INHALATION:** Remove to open air. If breathing is irregular, seek medical advice.

**INGESTION:** Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

#### 5. Fire-fighting measures

Closed containers exposed to the heat of a fire may lead to pressure rise and explode. For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures, refer to the other sections of this sheet.

**Extinguishing measures:** CO<sub>2</sub>, foam, chemical powder for flammable liquids. Water may not be effective to extinguish the fire, nevertheless it should be used to cool the containers exposed to flames and prevent fires and explosions. For leakage and spillage that have not caught fire, nebulized water may be used to disperse the flammable vapours and protect the people involved in stopping the leakage.

**Equipment:** wear equipment complete with helmet and face shield and protection of the neck, selfbreathing apparatus at pressure or demand, insulative jacket and trousers, with bands around the arms, legs and waist.

#### 6. Accidental release measures

Exclude sources of ignition. Cover with inert absorbent material. Collect spillages by means of sparkproof equipment. Use water only to remove residuals, so as not to run the risk of entering the sewer.

Do not let the product dry. Contaminated clothes must be left to soak in water before washing. In order to choose safety measures and protection equipment, please see the other sections of this sheet.

**Spillage in waters:** remove the liquid from the surface with flameproof pumps or manual pumps or suitable absorbent material. Resort to sinking and/or dispersion of the product with suitable substances in open waters, if permitted by the law.

#### 7. Handling and storage

Store in a well ventilated place, keeping the containers closed when not used. Do not smoke while handling. Keep far away from sources of heat, naked flames and sparks and other sources of ignition.

#### 8. Exposure control / personal protection.

##### 8.1 Exposure limit values

Name	Type	Country	TWA/8h		STEL/15min		
			mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	
STIRENE	TLV-ACGIH		85		170		Skin
	OEL	IRL		20		40	Skin

WEL

UK

100

250

Skin

## 8.2 Exposure controls

In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures, such as: masks suitable for the product, goggles, gloves and overall. Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals and at the end of the work shift.

## 9. Physical and chemical properties

Colour	
Odour	characteristic
Appearance	pasty
Solubility	insoluble in water
Viscosity	100000-200000 C.p.S.
Vapour density	N.A.
Evaporation Rate	N.A.
Reactive Properties	N.A.
Partition coefficient: n-octanol/water	N.A.
pH	N.A.
Boiling point	N.A.
Flash point	>21°C
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	1,15Kg/l
VOC (Directive 1999/13/EC) :	23,40 % - 269,10g/litre of preparation
VOC (volatile carbon) :	21,57 % - 248,04g/litre of preparation

## 10. Stability and reactivity

The product can decompose and/or violently react.

Styrene easily polymerizes above 65 °C with the risk of causing fire and explosions; it is added to an inhibitor which needs a small quantity of dissolved oxygen melted at temperatures < 25 °C. Avoid oxidizing agents; it dissolves different types of plastic materials except polychloroprene and alcohol polyvinyl (ref. Fiche toxicologique, 1992, N. 2).

## 11. Toxicological information

Acute effects: inhalation of this product is harmful. This product may irritate mucosae, the upper respiratory tract, eyes and skin. Exposure symptoms may include: stinging and irritated eyes, mouth, nose, throat; cough, respiratory disorders, dizziness, headache, nausea and sickness.

In the most serious cases, inhalation of this product may cause larynx and bronchial tube edema and irritation, chemical pneumonia and pulmonary edema. Ingestion of even small amounts of product may cause health problems (stomach pain, nausea, sickness, diarrhoea).

Styrene: possibly carcinogenic in humans according to IARC (group 2B), but despite the cases of leukemia encountered in subjects exposed to styrene, it is not possible to draw any conclusions on the role of this substance from the cancerogenic, teratogenic and mutagenic standpoint.

Acute toxicity following inhalation at 1000 ppm involves the central nervous system with headache and dizziness, lack of coordination; irritation of the mucous membranes of the eyes and respiratory airways occurs at 500 ppm concentrations.

Chronic exposure produces depression of the Central and peripheral nervous system with loss of memory, headache and somnolence starting at 20 ppm; digestive disorders with nausea and loss of appetite; irritation of the respiratory airways with chronic bronchitis and dermatosis.

## 12. Ecological information

Use this product according to good working practices. Avoid litter. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

Styrene is biodegradable (ref. Jetoc, Information sheet, 1984).

## 13. Disposal consideration

Consider the possibility of burning the product in a suitable incenerator.

Acid or basic products must always be neutralized before undergoing any treatment, including biological treatment whenever feasible. If the waste is solid, it can be disposed of in a landfill.

## 14. Transport information

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations.

These goods must be packed in their original packagings or in packagings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

### Road and rail transport:

ADR/RID:	3
UN:	3269
Packing Group:	III
Label:	3
Proper Shipping Name:	CONFEZIONI DI RESINA POLIESTERE
Special Provision:	640E

### Carriage by sea (shipping):

IMO class:	3
UN:	3269
Packing Group:	III
Label:	3
EMS:	F-E, S-D
Proper Shipping Name:	POLYESTER RESIN KIT

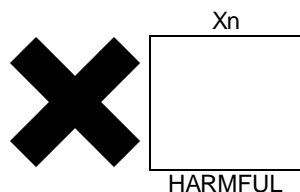
### Transport by air:

IATA:	3
UN:	3269
Packing Group:	III
Label:	3
Cargo:	
Packaging instructions:	310
Maximum quantity:	220 L
Pass.:	

Packaging instructions:  
Maximum quantity:

309  
60 L

## 15. Regulatory information



R10	FLAMMABLE.
R20	HARMFUL BY INHALATION.
R36/38	IRRITATING TO EYES AND SKIN.
S 2	KEEP OUT OF THE REACH OF CHILDREN.
S 9	KEEP CONTAINER IN A WELL-VENTILATED PLACE.
S13	KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.
S25	AVOID CONTACT WITH EYES.
S43	IN CASE OF FIRE, USE . . . (INDICATE IN THE SPACE THE PRECISE TYPE OF FIRE-FIGHTING EQUIPMENT. IF WATER INCREASES RISK, ADD - 'NEVER USE WATER').
S46	IF SWALLOWED, SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.

Contains:  
STIRENE

Danger labelling under directives 67/548/EEC and 1999/45/EC and following amendments and adjustments.

Workers exposed to this chemical agent must undergo health checks according to regulation 98/24/EC.

## 16. Other information

Text of -R- phrases quoted in section 3 of the sheet.

R10	FLAMMABLE.
R20	HARMFUL BY INHALATION.
R36/38	IRRITATING TO EYES AND SKIN.

### GENERAL BIBLIOGRAPHY

1. Directive 1999/45/EC and following amendments;
2. Directive 67/548/EEC and following amendments and adjustments (technical adjustment XXIX);
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);

8. Patty - Industrial Hygiene and Toxicology;
9. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition;

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Changes to previous review The following sections were modified: 14