

## Safety Data Sheet

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

#### 1.1 Identification of the substance or preparation

Product name SOLID GLUE KIT

#### 1.2 Use of the substance / preparation

#### 1.3 Company identification

Name ABRASIVI ADRIA S.r.l.  
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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 prepareate is dangerous under 67/548/EEC and 1999/45/EC directives and subsequent amendments. Therefore, this prepareate 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.

Phrases R:

10

#### 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 ).

### 3. Composition / Information on ingredients

Contains:

Name	Concentration C	Classification
DIBUTYL PHTALATE	0 <= C < 0,5	T R61
Cas No 84-74-2		Repr. Cat. 2
CE No 201-557-4		Xn R62

Index No 607-318-00-4

**STYRENE**Cas No 100-42-5  
CE No 202-851-5  
Index No 601-026-00-0

10 &lt;= C &lt; 12,5

N Repr. Cat. 3  
R50  
R10  
Xn R20  
Xi 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:** Immediately wash with plenty of water. Remove all contaminated clothing. Obtain immediate medical attention. Wash contaminated clothing separately before using them again.

**INHALATION:** Remove to open air. If breathing is irregular or stopped, administer artificial respiration. Obtain immediate medical attention.

**INGESTION:** Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Give nothing 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	State	mg/m <sup>3</sup>	TWA/8h ppm	mg/m <sup>3</sup>	STEL/15min ppm
FTALATO DI BUTILE						

STIRENE	TLV-ACGIH		5				
	OEL	IRL	5		10		
	WEL	UK	5		10		
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	$\geq 350000$ 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	$>21^{\circ}\text{C}$
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	1,7Kg/l
Solid content:	62,00 %
VOC (Directive 1999/13/EC) :	0
VOC (volatile carbon) :	0

## 10. Stability and reactivity

The product can decompose and/or violently react.

Styrene easily polymerizes above  $65^{\circ}\text{C}$  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  $< 25^{\circ}\text{C}$ . Avoid oxidizing agents; it dissolves different types of plastic materials except polychloroprene and alcohol polyvinyl (ref. Fiche toxicologique, 1992, N. 2).

## 11. Toxicological information

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This prepareate may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

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 embranes 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.

CALCIUM CARBONATE: oral LD50 (mg/kg) 6450 (RAT)

## 12. Ecological information

No specific data are available for this product. Handle it according to good working practices. Avoid litter. Do not contaminate soil, sewers and waterways. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

Please take all the proper measures to reduce harmful effects on aquifers.

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

### FTALATO DI BUTILE:

EC50 (48h): 3,93 mg/l/48h Daphnia magna

IC50 (72h): 0,21 mg/l/72h Scenedesmus acutus

LC50 (96h): 1,6 mg/l/96h Oncorhynchus mykiss

## 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

### 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: 309  
Maximum quantity: 60 L

**15. Regulatory information**

R10 FLAMMABLE.  
S 2 KEEP OUT OF THE REACH OF CHILDREN.  
S46 IF SWALLOWED, SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.

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

**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.  
R50 VERY TOXIC TO AQUATIC ORGANISMS.  
R61 MAY CAUSE HARM TO THE UNBORN CHILD.  
R62 POSSIBLE RISK OF IMPAIRED FERTILITY.

**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.