

## Safety Data Sheet: AFFINITY PLASTIC FILLER

Issued 18-03-2015

This data sheet is compiled to be of assistance but without guarantee. Users are responsible for safe working practices. Final determination of suitability of any material is the sole responsibility of the user.

### 1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY UNDERTAKING

PRODUCT NAME: AFFINITY PLASTIC FILLER

PRODUCT CODE: BAPF0600

REVISION DATE:

REVISION NUMBER:

APPLICATION: Polyester Repair Paste containing styrene

COMPANY: Brown Brothers Distribution Limited,  
PO Box 162  
Needham Road  
Stowmarket  
IP14 2ZR

EMERGENCY TELEPHONE: 0044 (0) 1449 778333 – Business Hrs 8:30 – 5 Mon-Fri

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### 2. HAZARDS IDENTIFICATION

#### HAZARD PICTORGRAMS



#### HAZARD STATEMENTS

**Hazards categories**  
Flammable liq. 3

**Hazard codes**  
H226

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May cause an allergic skin reaction	H317
Causes serious eye irritation	H319
STOT RE 1	H272
Harmful if swallowed	H302
Harmful if inhaled	H332
May cause allergy or asthma symptoms or breathing difficulties if inhaled	H334
Causes damage to organs through prolonged or repeated exposure if inhaled	H372i

**PRECAUTIONARY STATEMENTS**

**Hazards categories**

Obtain special instructions before use  
 Keep away from heat/sparks/open flames/hot surfaces.  
 No smoking  
 Keep container tightly closed  
 Wash hands thoroughly after handling  
 Use only outdoors or in a well ventilated area  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Use personal protective equipment as required  
 In case of inadequate ventilation wear respiratory protection  
 IF ON SKIN. Wash with plenty of soap and water  
 IF IN EYES. Rinse cautiously with water for several minutes  
 If exposed or concerned: Get medical attention  
 Get medical advice /attention if you feel unwell  
 Store locked up  
 Dispose of contents/container in according with local regulations

**Hazard codes**

P201  
 P210  
  
 P233  
 P264  
 P271  
 P280  
  
 P281  
 P285  
  
 P302 + P352  
 P305 + P351 + P338  
  
 P308 + P313  
 P314  
 P405  
 P501

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredient: Styrene 10-30%

Name	EC No.	CAS No.	Content	Symbol	R-phrases
styrene	202-851-5	100-42-5	10-30%	Xn	H226, H317, H319, H272, H302, H332, H334, H372i

**4. FIRST AID MEASURES**

INHALATION:

Potential irritation of throat, with chest tightness. Remove person from the contaminated area ideally into fresh air. Call a doctor in case of doubt or if symptoms persist.

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INGESTION:	Wash mouth out with water. Nausea and stomach pain may occur. <b>DO NOT INDUCE VOMITING!</b> If swallowed, seek immediate medical advice and show container or label to the doctor.
SKIN:	Potential irritation and redness at site of contact Remove contaminated clothing. Wash with soap and water. Get medical attention if symptoms persist.
EYES:	Potential irritation and redness may occur. Promptly wash eyes with plenty of water while lifting the eye lids for 15 minutes. Remove contact lenses if present and easy to do. Seek medical advice immediately.

## 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Carbon dioxide Dry chemical powder Water foam
HAZARDOUS COMBUSTION PRODUCTS:	Will burn when exposed to excessive heat or flames. In case of fire the following can be released: carbon monoxide and carbon dioxide.
PROTECTIVE MEASURES IN FIRE:	Wear individual breathing apparatus

## 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION:	Provide adequate ventilation. Avoid inhalation of vapour or dust. Avoid skin and eye contact. Refer to section 8 for personal protection details
ENVIRONMENTAL PROTECTION:	Do NOT discharge into drains or rivers Contain the spillage using bunding
CLEAN-UP PROCEDURES:	Absorb into dry earth or sand. For disposal of materials refer to section 13.

## 7. HANDLING AND STORAGE

HANDLING REQUIREMENTS:	Good hygienic practices should be observed. Avoid contact with skin and eyes. Avoid breathing dust. If exposed to high dust concentration, leave area immediately. Work clothes should be washed separately at the end of each work day. Keep away from sources of ignition. Ensure good ventilation/exhaustion at the workplace. Do not eat drink or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.
STORAGE PRECAUTIONS:	Keep in cool, dry, ventilated storage and closed containers away from sources of ignition. Keep container out of direct sunlight.  Product has a 2 year shelf life from date of manufacture.

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PACKAGING: Must be kept in original packaging

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

EINICES NO.: 202-851-5

CAS NO.: 100-42-5

**WORKPLACE EXPOSURE LIMITS:**

WEL (8HR TWA): 100ppm

WEL (15 MIN STEL) 250ppm

**RESPIRABLE DUST:**

HAZARDOUS INGREDIENTS:

STYRENE

WEL (8hr TWA): 430mg/m<sup>3</sup> WEL (15min STEL): 1080mg/m<sup>3</sup>

ENGINEERING MEASURES:

Ensure there is sufficient ventilation of the area.

BODY PROTECTION:

Skin covering working clothes; wear dust proof overalls if large quantities of dust are gathered

RESPIRATORY PROTECTION:

Suitable respiratory protective recommended.

HAND PROTECTION:

Wear protective gloves.

EYE PROTECTION:

Safety glasses with side-shields where eye contact is possible.

SKIN PROTECTION:

Protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:

Paste

COLOUR:

Black

ODOUR:

Styrene / Aromatic

SOLUBILITY:

Insoluble in water.

Soluble in most organic solvents.

FLASH POINT (°C):

32°C

AUTO IGNITION TEMP. (°C):

490°C (Styrene)

FLAMMABILITY LIMIT - LOWER (%):

1.1 (Styrene)

FLAMMABILITY LIMIT - UPPER (%):

6.1 (Styrene)

RELATIVE DENSITY:

1.8

**10. STABILITY AND REACTIVITY**

STABILITY:

Stable under normal storage and handling conditions.

CHEMICAL STABILITY

Stable at room temperature in closed containers under normal storage and handling

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conditions.

CONDITIONS TO AVOID: Heat  
Light  
Sources of ignition

POLYMERISATION DESCRIPTION: Exothermic polymerisation may occur by:  
Strong oxidizing agents  
Peroxides  
Radical formers  
Heat

HAZARDOUS DECOMP. PRODUCTS: Toxic fumes of:  
Carbon Monoxide (CO)  
Carbon Dioxide (CO<sub>2</sub>)

## 11. TOXICOLOGICAL INFORMATION

HAZARDOUS INGREDIENTS: STYRENE  
IVN MUS LD50 90mg/kg  
ORL MUS LD50 316mg/kg  
ORL RAT LD50 2650mg/kg

ROUTES OF EXPOSURE: Refer to section 4 of the SDS for routes of exposure and corresponding symptoms.

## 12. ECOLOGICAL INFORMATION

MOBILITY: Insoluble in water, heavier than water

PERSISTANCE AND DEGRADABILITY: Not readily biodegradable

OTHER ADVERSE EFFECTS: Harmful to aquatic organisms

## 13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS: Material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements

DISPOSAL OF PACKAGING: If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations.

## 14. TRANSPORT INFORMATION

ADR/RID:



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UN NO: 3269  
CLASS: 3  
CLASSIFICATION CODE: F1  
PACKING GROUP: III  
SHIPPING NAME: POLYESTER RESIN KIT  
LABELLING: 3

### IMDG/IMO:

UN NO: 3269  
CLASS: 3  
PACKING GROUP: III  
EmS: F-E, S-D  
MARINE POLLUTANT:  
LABELLING: 3



### IATA/ICAO:

UN NO: 3269  
CLASS: 3  
PACKING GROUP: III  
PACKING INSTRUCTIONS: 312  
LABELLING: 3

## 15. REGULATORY INFORMATION

HAZARD SYMBOLS: Harmful

RISK PHRASES: R20 Harmful by inhalation  
R22 Harmful if swallowed  
R43 May cause sensitisation by skin contact  
R41 Risk of serious damage to eyes  
R42 May cause sensitisation by inhalation  
R68 Possible risk of irreversible effects



R40 Limited evidence of a carcinogenic effect  
R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation  
R52-53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

HAZ. INGREDIENTS (LABEL): STYRENE

NOTE: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn

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to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 16. OTHER INFORMATION

**OTHER INFORMATION:**

This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

**FOR PROFESSIONAL USE ONLY.** Read full instructions before use.

**IMPORTANT:** This product contains hazardous materials and therefore appropriate personal protective equipment should always be used.

Please refer to the label and consult the material safety data sheet for full handling instructions and personal protection information. These are available via your local stockist or via the Brown Brothers website. [www.brownbrothers.com](http://www.brownbrothers.com).

Brown Brothers Limited disclaims any liability where the user does not wear the recommended personal protective equipment.

**LEGAL DISCLAIMER:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Addition of reducers, hardeners and other additives over and above Brown Brothers Limited. recommendations for use may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, this company shall not be held liable for any damage resulting from handling or from contact with the above product.

**NOTICE TO READER**

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Date sheet, or in combination with any other product or process is the responsibility of the user.