

SAFETY DATA SHEET

2K SUPERIOR FILLER

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name SUPERIOR FILLER

Product number TBA

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

Identified uses Polyester paste containing styrene

1.3. Details of the supplier of the safety data sheet

Supplier MB Products (UK) Ltd, t/a MB Coatings
230 Ampress Park
Lymington
Hampshire SO41 8JW
Telephone: 01590 677676, Fax: 01590 678578
Web: www.mbcoatings.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0) 1590 677676 Mon-Thurs: 8.30 - 17.00 Fri: 8.30 - 16.30

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Flam. Liq. 3 - H226

Health hazards STOT SE 3 - H336

Environmental hazards Not Classified

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements
H226 Flammable liquid and vapour.
H317 May cause allergic skin reaction
H319 Causes serious eye irritation
H372 Can cause serious damage to organs through prolonged use
H302 Harmful if swallowed
H332 Harmful if inhaled
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H327i Causes damage to organs through prolonged or repeated exposure if inhaled

Precautionary statements	<p>P201 Obtain special instructions before use</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233 Keep container tightly closed</p> <p>P240 Ground/bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use only non-sparking tools.</p> <p>P243 Take precautionary measures against static discharge.</p> <p>P261 Avoid breathing vapour/spray.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P281 Use PPE as required.</p> <p>P285 In case of inadequate ventilation, wear respiratory protection.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P312 Call a POISON CENTER/doctor if you feel unwell.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/container in accordance with national regulations.</p>
Contains	n-butyl acetate

2.3. Other hazards

SECTION 3: Composition/information on ingredients

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
Inhalation	Remove to fresh air. Keep person warm and at rest. If not breathing or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Ingestion	IF SWALLOWED: Get medical attention immediately. Show this Safety Data Sheet to the medical personnel. Keep affected person warm and at rest. Do not induce vomiting. Wash out mouth with water.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Do not use organic solvents. Potential irritation and redness at site of contact.
Eye contact	Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention. Potential irritation and redness at site of contact.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

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

General information Treat symptomatically.

Inhalation Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death.

Skin contact Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Eye contact If splashed in eyes, the liquid may cause irritation and reversible damage.

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

Notes for the doctor In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours

Specific treatments No specific treatment

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use water foam, carbon dioxide or dry powder to extinguish.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. The fire can release carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

Protective actions during firefighting Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment Appropriate breathing apparatus may be required for firefighters.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Exclude sources of ignition and ventilate the area. Avoid breathing mist or vapour.

6.2. Environmental precautions

Environmental precautions Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Collect spillage for reclamation or absorb in vermiculite, dry sand or similar material.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits. In addition, the product

should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear anti static footwear and clothing and floors should be of the conducting type. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid inhalation of vapours/spray and contact with skin and eyes. Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Put on appropriate personal protective equipment (See section 8) Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original. Comply with health and safety at work laws. Do not allow to enter drains or watercourses Vapours may form explosive mixture with air. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

Advice on general Persons susceptible to allergic reactions should not handle this product. Persons with occupational hygiene impaired lung function should not handle this product. Keep in original packaging.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat. Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Storage class	Flammable liquid storage.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters Occupational exposure limits

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 ³ WEL (15min STEL): 1080mg/m ³

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 protection recommended.
HAND PROTECTION:	Wear protective gloves.
EYE PROTECTION:	Safety glasses with side-shields where eye contact is possible.
SKIN PROTECTION:	Protective clothing.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Colour Grey/brown/cream paste

Odour Styrene/Aromatic

9.2. Other information

Insoluble in water

Flash point 32°C

Auto ignition temp 490°C (styrene)

Flammability limit 1.1% (styrene) - 6.1% (styrene)

Relative density approx. 1.15 – 1.9

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability Stable at normal ambient temperatures in closed containers in normal storage and handling conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid Heat, light, sources of ignition

Polymerisation description: Exothermic polymerisation may occur by: strong oxidising agents, peroxides radical formers

10.6. Hazardous decomposition products

Hazardous decomposition Toxic fumes of Carbon Monoxide and Carbon Dioxide

SECTION 11: Toxicological information

Hazardous ingredients: Styrene, INV MUS LD50 90mg/kg, ORL MUS LD50 316mg.kg, ORL RAT LT50 2650mg/kg

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity Harmful to aquatic organisms. Do not allow to enter drains or watercourses.

12.2. Persistence and degradability

Persistence and degradability Not readily biodegradable

Mobility: Insoluble in water, heavier than water.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor.

Disposal methods Place waste in labelled, sealed containers. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Material should be disposed of by incineration on a chemical incinerator in compliance with national and regional requirements.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 3269
UN No. (IMDG) 3269
UN No. (ICAO) 3269
UN No. (ADN) 3269

14.2. UN proper shipping name

Proper shipping name POLYESTER RESIN KIT
(ADR/RID) (

Proper shipping name POLYESTER RESIN KIT
(IMDG)

Transport hazard class(es)

ADR/RID class 3
ADR/RID classification code F1
ADR/RID label 3
IMDG class 3
ICAO class/division 3
ADN class 3

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ADN packing group III

ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-E, S-E

ADR transport category 3

IATA/ICAO: Packing instructions: 312

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

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

National regulations Control of Substances Hazardous to Health Regulations 2002 (as amended).

Dangerous Substances and Explosive Atmospheres Regulations 2002.

EH40/2005 Workplace exposure limits.

Health and Safety at Work etc. Act 1974 (as amended).

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 (as amended).

Guidance Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Revision date 31.03.16

Hazard statements in full: Hazard symbol: Harmful



R20 Harmful by inhalation

R22 Harmful if swallowed

R43 May cause sensitization by skin contact

R41 Risk of serious damage to eyes

R42 May cause sensitization by inhalation

R68 Possible risk of irreversible effects

R40 Limited evidence of carcinogenic effect

R48/23 Toxic: danger of serious damage to health from prolonged exposure through inhalation

R52053 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment

Haz Ingredients (label): STYRENE

Other regulatory information:

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

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. This SDS is prepared in accordance with Regulation (EC) directive 91/155/EC, as amended by Directive 2001/58/EC - Europe