

**SAFETY DATA SHEET**  
**PolyPlus SF (resin component part A)**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**

**1.1 Product Identifier**

**Product name** PolyPlus SF (resin component part A)

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

**Identified uses** Adhesive

**1.3 Details of the supplier of the safety data sheet**

**Supplier** Helifix  
The Mille  
1000 Great West Road (10<sup>th</sup> Floor)  
Brentford  
London  
TW8 9DW

Tel: +44 (0) 20 8735 5200

Fax: +44 (0) 20 8735 5201

Email: sales@helifix.co.uk

**Contact person** sales@helifix.co.uk

**1.4 Emergency telephone number**

+44 (0) 020 8735 5200 Mon – Fri 09:00 – 17:00

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)**

**Physical hazards** Flam. Liq. 3 - H226

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319

**Environmental hazards** Not Classified

**2.2. Label elements**

**Pictogram**



**Signal word** Warning

**Hazard statements** H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.

**Precautionary statements** P280 Wear protective gloves/protective clothing / eye protection / face protection  
P302+P352 IF ON SKIN: Wash with plenty of water



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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313 If skin irritation occurs: Get medical advice / attention.  
P337+P313 If eye irritation persists: Get medical advice / attention.  
P403+P235 Store in a well-ventilated place. Keep cool.

**Supplementary precautionary Statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P264 Wash contaminated skin thoroughly after handling.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P370+P378 In case of fire: Use foam. Carbon dioxide, dry powder or water fog to extinguish.  
P501 Dispose of contents / container in accordance with national regulations.

**2.3. Other hazards**

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

**VINYL TOLUENE** **10-20%**  
**CAS number:** 25013-15-4    **EC number:** 246-562-2    **REACH registration number:** 01-2119622074-50-XXXX  
**Classification**  
Flam. Liq. 3 - H226  
Acute Tox. 4 - H332  
Skin Irrit. 2 - H315  
Eye Irrit. 2 - H319  
Asp. Tox. 1 - H304

The full text for all Hazard Statements are displayed in Section 16

**SECTION 4: FIRST AID MEASURES**

**4.1. Description of first aid measures**

<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.



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**Eye contact** Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

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

**Inhalation** Irritation of nose, throat and airway.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** May cause skin irritation/eczema.

**Eye contact** Irritation of eyes and mucous membranes.

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

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

**SECTION 5: FIRE FIGHTING MEASURES**

**5.1. Extinguishing media**

**Suitable extinguishing media** Extinguish with foam, carbon dioxide or dry powder.

**5.2. Special hazards arising from the substance or mixture**

**Specific hazards** No unusual fire or explosion hazards noted.

**Hazardous combustion products** Oxides of carbon.

**5.3. Advice for firefighters**

**Protective actions during firefighting** Avoid breathing fire gases or vapours.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

**6.2. Environmental precautions**

**Environmental precautions** Avoid release to the environment.

**6.3. Methods and material for containment and cleaning up**

**Methods for cleaning up** Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

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**6.4. Reference to other sections**

**Reference to other sections**      Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see Section 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

**Usage precautions**      Do not use in confined spaces without adequate ventilation and/or respirator.

**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 oxidising materials, heat and flames.

**Storage class**      Chemical storage.

**7.3. Specific end use(s)**

**Specific end use(s)**      The identified uses for this product are detailed in Section 1.2.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

**VINYL TOLUENE (CAS: 25013-15-4)**

**DNEL**      Industry - Inhalation; Long term systemic effects: 37 mg/m<sup>3</sup>  
Industry - Inhalation; Long term local effects: 37 mg/m<sup>3</sup>  
REACH dossier information

**PNEC**      - Fresh water; 0.0498 mg/l  
- Marine water; 0.002 mg/l  
- Intermittent release; 0.013 mg/l  
- STP; 1 mg/l  
- Sediment (Freshwater); 0.684 mg/kg  
- Sediment (Marinewater); 0.0684 mg/kg  
- Soil; 0.133 mg/kg  
REACH dossier information

REACH dossier information

**8.2. Exposure controls**

**Protective equipment**



**Appropriate engineering Controls**      Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.



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<b>Eye/face protection</b>	The following protection should be worn: Chemical splash goggles.
<b>Hand protection</b>	It is recommended that chemical-resistant, impervious gloves are worn.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene measures</b>	DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
<b>Respiratory protection</b>	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Liquid
<b>Colour</b>	Beige.
<b>Odour</b>	Aromatic.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	>165°C @
<b>Flash point</b>	53°C
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not determined.
<b>Flammability (solid, gas)</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	Not determined.
<b>Other flammability</b>	Not determined.
<b>Vapour pressure</b>	6 hPa @ 20°C
<b>Vapour density</b>	Not determined.



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Relative density	1.65 - 1.75 @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Insoluble in water
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition temperature	Not determined.
Viscosity	> 60 S ISO2431
Explosive properties	No information available.
Oxidising properties	Does not meet the criteria for classification as oxidising.

**9.2. Other information**

**SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**

**Reactivity** The following materials may react with the product: Organic peroxides/hydroperoxides.

**10.2. Chemical stability**

**Stability** Stable at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** Does not decompose when used and stored as recommended.

**10.4. Conditions to avoid**

**Conditions to avoid** Avoid excessive heat for prolonged periods of time.

**10.5. Incompatible materials**

**Materials to avoid** Organic peroxides/hydroperoxides.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** Oxides of carbon.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**Acute toxicity - inhalation**

**ATE inhalation (vapours mg/l)** 79.09

**Inhalation** Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

**Ingestion** May cause discomfort if swallowed.



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<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Irritating to eyes.
<b>Acute and chronic health Hazards</b>	Irritating to skin. Irritating to eyes.
<b>Route of entry</b>	Skin and/or eye contact.
<b>Medical symptoms</b>	Irritation of eyes and mucous membranes. Irritation of nose, throat and airway. Skin irritation.
<b>Medical considerations</b>	Skin disorders and allergies.

**Toxicological information on ingredients.**

**VINYL TOLUENE**

**Acute toxicity – inhalation**

**ATE inhalation (vapours mg/l)** 11.0

**Carcinogenicity**

**IARC carcinogenicity** IARC Group 3. Not classified as to its carcinogenicity to humans.

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**SECTION 12: ECOLOGICAL INFORMATION**

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**Ecotoxicity** Not regarded as dangerous for the environment.

**12.1. Toxicity**

**Ecological information on ingredients.**

**VINYL TOLUENE**

**Acute toxicity – fish** LC50, 96 hours: 23.4 mg/l, Pimephales promelas (Fat-head Minnow)

**12.2. Persistence and degradability**

**12.3. Bioaccumulative potential**

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not determined.

**Ecological information on ingredients.**

**VINYL TOLUENE**

**Partition coefficient** log Pow: 3.36

**12.4. Mobility in soil**

**Mobility** Not applicable.

**12.5. Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment.** This product does not contain any substances classified as PBT or vPvB assessment.



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**12.6. Other adverse effects**

Other adverse effects Not applicable.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

General information Dispose of waste product or used containers in accordance with local regulations

Disposal methods Dispose of waste via a licensed waste disposal contractor.

**SECTION 14: TRANSPORT INFORMATION**

Road transport notes Not regulated

Rail transport notes Not regulated

**14.1. UN number**

UN No (IMDG) 1866

UN No. (ICAO) 1866

**14.2. UN proper shipping name**

Proper shipping name (IMDG) RESIN SOLUTION

Proper shipping name (ICAO) RESIN SOLUTION

**14.3. Transport hazard class(es)**

IMDG class 3

ICAO class/division 3

**Transport labels**



**14.4. Packing group**

IMDG 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

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Transport in bulk according to  
Annex II of MARPOL 73/78 and  
The IBC Code Not relevant





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**SECTION 15: REGULATORY INFORMATION**

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

EU legislation (EU) No 2015/830

Guidance Workplace Exposure Limits EH40.

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

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**SECTION 16: OTHER INFORMATION**

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Revision date 05/05/2017

Revision 2

SDS number HUK15

**Hazard statements in full**

H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.

Disclaimer

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.