

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

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

**1.1 Product Identifier**

Product name PolyPlus (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 Leviat Limited  
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.uk@leviat.com

**1.4 Emergency telephone number**

+44 (0)20 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 Repr. 2 – H361d STOT RE 2 – H373  
Environmental hazards Not Classified

**2.2. Label elements**

**Pictogram**



Signal word Warning

Hazard statements H226 Flammable liquid and vapour.  
H361d Suspected of damaging the unborn child.  
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

Precautionary statements P260 Do not breathe vapours.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.



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P314 Get medical advice / attention if you feel unwell.  
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
P403+P235 Store in a well-ventilated place. Keep cool.

**Contains** STYRENE

**Supplementary precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P501 Dispose of contents / container in accordance with national regulations.

**2.3. Other hazards**

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

**3.2. Mixtures**

**STYRENE** **10-20%**  
**CAS number:** 100-42-5      **EC number:** 202-851-5      **REACH registration number:** 01-2119457861-32-XXXX  
**Classification**  
Flam. Liq. 3 - H226  
Acute Tox. 4 - H332  
Skin Irrit. 2 - H315  
Eye Irrit. 2 - H319  
Repr. 2 - H361d  
STOT SE 3 - H335  
STOT RE 1 - H372  
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**

**Inhalation** Move affected person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion** 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.

**Skin contact** Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

**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.



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

Inhalation	May cause respiratory irritation.
Ingestion	May cause discomfort if swallowed.
Skin contact	May cause skin irritation/eczema.
Eye contact	May irritate eyes.

**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.
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**SECTION 5: FIRE FIGHTING MEASURES**

**5.1. Extinguishing media**

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

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

**Occupational exposure limits**

**STYRENE**

Long-term exposure limit (8-hour TWA): WEL 100 ppm 430 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 250 ppm 1080 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

**STYRENE (CAS: 100-42-5)**

**DNEL**

Industry - Inhalation; Long term systemic effects: 85 mg/m<sup>3</sup>  
Industry - Inhalation; Short term systemic effects: 289 mg/m<sup>3</sup>  
Industry - Inhalation; Short term local effects: 306 mg/m<sup>3</sup>  
Industry - Dermal; Long term systemic effects: 406 mg/kg/day  
REACH dossier information

**PNEC**

- Fresh water; 0.028 mg/l  
- Marine water; 0.0028 mg/l  
- Intermittent release; 0.04 mg/l  
- STP; 4 mg/l  
- Sediment (Freshwater); 0.614 mg/kg  
- Sediment (Marinewater); 0.0614 mg/kg  
- Soil; 0.2 mg/kg  
REACH dossier information

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**8.2. Exposure controls**

**Protective equipment**



<b>Appropriate engineering controls</b>	Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
<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. Do not eat, drink or smoke when using this product.
<b>Respiratory protection</b>	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>	-30.4°C
<b>Initial boiling point and range</b>	>145°C @
<b>Flash point</b>	31°C
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not determined.



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<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.
<b>Relative density</b>	1.65 - 1.75 @ 20°C
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Insoluble in water
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	490°C
<b>Decomposition temperature</b>	Not determined
<b>Viscosity</b>	> 60 S ISO2431
<b>Explosive properties</b>	No information available.
<b>Oxidising properties</b>	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



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**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**Acute toxicity - inhalation**

ATE inhalation (vapours 108.15955698  
mg/l)

**Specific target organ toxicity - repeated exposure**

**Target organs** Causes damage to hearing organs through prolonged or repeated exposure via inhalation

**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.

**Skin contact** Liquid may irritate skin.

**Eye contact** Irritating to eyes.

**Acute and chronic health hazards** Irritating to skin. Irritating to eyes. Gas or vapour is harmful on prolonged exposure or in high concentrations. May cause damage to organs through prolonged or repeated exposure if inhaled.

**Route of entry** Inhalation Skin and/or eye contact.

**Medical symptoms** Skin irritation. Irritation of eyes and mucous membranes.

**Toxicological information on ingredients.**

**STYRENE**

**Acute toxicity - oral**

Acute toxicity oral (LD<sub>50</sub> 5,000.0  
mg/kg)

**Species** Rat

**Acute toxicity - dermal**

Acute toxicity dermal 2,000.0  
(LD<sub>50</sub> mg/kg)

**Species** Rat

**Acute toxicity - inhalation**

ATE inhalation (vapours 11.0  
mg/l)

**Carcinogenicity**

**IARC carcinogenicity** IARC Group 2B Possibly carcinogenic to humans.

**NTP carcinogenicity** Reasonably anticipated to be a human carcinogen.



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**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity** Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

**12.1. Toxicity**

**Ecological information on ingredients.**

**STYRENE**

**Acute toxicity – fish** LC<sub>50</sub>, 96 hours: 10 mg/l, Pimephales promelas (Fat-head Minnow)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 4.7 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 4.9 mg/l, Selenastrum capricornutum

**12.2. Persistence and degradability**

**12.3. Bioaccumulative potential**

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

**Partition coefficient** Not determined.

**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.

**12.6. 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**

**14.1. UN number**

**UN No. (ICAO)** 1866

**14.2. UN proper shipping name**

**Proper shipping name (ADR/RID)** RESIN SOLUTION

**Proper shipping name (IMDG)** RESIN SOLUTION

**Proper shipping name (ICAO)** RESIN SOLUTION

**Proper shipping name (ADN)** RESIN SOLUTION



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

ADR/RID class Exempt C1 2.2.3.1.5

IMDG class Exempt. IMDG Code Clause 2.3.2.5

ICAO class/division 3

**Transport labels**



**14.4. Packing group**

ICAO packing group III

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant  
No.

**14.6. Special precautions for user**

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

**SECTION 15: REGULATORY INFORMATION**

**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.

**SECTION 16: OTHER INFORMATION**

Revision date 25/04/2022

Revision 3

SDS number HUK11

**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.  
H335 May cause respiratory irritation.  
H361d Suspected of damaging the unborn child.  
H372 Causes damage to organs Hearing through prolonged or repeated exposure if inhaled.  
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.



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**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.

Revision Date: 25/04/2022  
Revision No: 3

SDS No: HUK11



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