SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

1.1 Product Identifier

Product Name: Easi-Fil (Resin) Part A

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

Material uses: Industrial, professional, consumer use. Fillers, putties, plasters, modelling clay
Uses advised against: No additional information available.

1.3 Details of the supplier of the safety data sheet

Company Name: Polycote UK LLP
Centre Point
Wolseley Road
Woburn Road Industrial Estate
Kempston
Beds
MK42 7EF

Telephone Number: 01234 846400

Emergency Contact Number: 111 (NHS England)

Email address: uksales@polycote.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 [CLP]:
Skin corrosion/irritation, Category 2, H315
Serious eye damage/eye irritation, Category 2, H319
Reproductive toxicity, Category 2, H361
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation, H335
Specific target organ toxicity — Repeated exposure, Category 1, H372
Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects
Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Causes skin irritation. Causes serious eye irritation.

2.2 Label elements

GB CLP Regulation:

Signal word: Danger

Hazard pictograms:

Hazard statements:
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.
H361 - Suspected of damaging the unborn child.
H372 - Causes damage to organs (hearing organs) through prolonged or repeated exposure (inhalation).

Precautionary statements:
P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P261 - Avoid breathing vapours, fume.
P280 - Wear eye protection, protective clothing, protective gloves.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Unknown acute toxicity (CLP) - SDS:
0.29% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
0.29% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

2.3 Other hazards:

Component	
styrene (100-42-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance:
Non-applicable

3.2 Mixtures:

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS (continue)

3.2 Mixture:

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
styrene (Note D)	(CAS-No.) 100-42-5 (EC-No.) 202-851-5 (EC Index-No.) 601-026-00-0 (REACH-no) 01-2119457861-32	10 – 25	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation: vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d STOT SE 3, H335 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412

Note D: Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.
Full text of H- and EUH-statements: see section 16

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures:
IF exposed or concerned: Get medical advice/attention. Call a poison centre or a doctor if you feel unwell. Get medical advice/attention if you feel unwell.

By inhalation: Remove person to fresh air and keep comfortable for breathing.

By skin contact: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

By eye contact: Rinse eyes with water as a precaution. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

By ingestion/aspiration: Call a poison centre or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact: Irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact: Eye irritation.

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

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam.

5.2 Special hazards arising from the substance or mixture:

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3 Advice for firefighters:

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

General measures: Remove ignition sources.

6.1.1. For non-emergency personnel

Protective equipment: Safety glasses. Protective clothing. Gloves.

Emergency procedures: Ventilate spillage area. Do not breathe vapours, fume. Avoid contact with skin and eyes.

6.1.2. For emergency responders: Wear protective equipment. Keep unprotected persons away. See section 8.

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental precautions: Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

For containment: Contain released product. Collect spillage.

Methods for cleaning up: Mechanically recover the product. Notify authorities if product enters sewers or public waters.

Other information: Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections: For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:	Ensure good ventilation of the workstation. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe vapours, fume. Avoid contact with skin and eyes.
Hygiene measures:	Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2 Conditions for safe storage, including any Incompatibilities:	Storage conditions: Store locked up. Store in a well-ventilated place. Keep cool. Storage temperature: < 25 °C Special rules on packaging: Keep only in original container.
7.3 Specific end use(s)	No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

8.1.1 National occupational exposure and biological limit values

styrene (100-42-5)	
Ireland - Occupational Exposure Limits	
Local name	Styrene [Phenylethylene, Vinyl benzene]
OEL TWA [1]	85 mg/m³
OEL TWA [2]	20 ppm
OEL STEL	170 mg/m³
OEL STEL [ppm]	40 ppm
Regulatory reference	Chemical Agents Code of Practice 2020
United Kingdom - Occupational Exposure Limits	
Local name	Styrene
WEL TWA (OEL TWA) [1]	430 mg/m³
WEL TWA (OEL TWA) [2]	100 ppm
WEL STEL (OEL STEL)	1080 mg/m³
WEL STEL (OEL STEL) [ppm]	250 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

styrene (100-42-5)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	289 mg/m³
Acute - local effects, inhalation	306 mg/m³
Long-term - systemic effects, dermal	406 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	85 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	174.25 mg/m³
Acute - local effects, inhalation	182.75 mg/m³
Long-term - systemic effects,oral	2.1 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	10.2 mg/m³
Long-term - systemic effects, dermal	343 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.028 mg/l
PNEC aqua (marine water)	0.014 mg/l
PNEC aqua (intermittent, freshwater)	0.04 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.614 mg/kg dwt
PNEC sediment (marine water)	0.307 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.2 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	5 mg/l

8.1.5. Control banding:

No additional information available

8.2 Exposure controls:

8.2.1. Appropriate engineering controls	Provide local exhaust or general room ventilation. Ensure good ventilation of the workstation.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:	Type: Safety glasses Field of application: Dust Characteristics: clear Standard: -

8.2.2.2. Skin protection

Skin and body protection:	Wear suitable protective clothing
Hand protection:	Type: Protective gloves Material: Viton, Butyl rubber gloves Permeation: 6 (> 480 minutes) Thickness (mm): 0.7 Penetration: - Standard: EN ISO 374
Other skin protection:	Materials for protective clothing: Impermeable clothing

8.2.2.3. Respiratory protection

Respiratory protection:	[In case of inadequate ventilation] wear respiratory protection. Device: Breathing apparatus, Gas filters Filter type: Type A - High-boiling (>65 °C) organic compounds Condition: Vapour protection Standard: EN 136, EN 140, EN 145, EN 143, EN 149
8.2.2.4. Thermal hazards	No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:	Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Solid
Colour:	Light grey
Appearance:	Paste
Odour:	aromatic
Odour threshold:	Not available
Melting point:	Not available
Freezing point:	Not applicable
Boiling point:	Not available
Flammability:	Non flammable
Explosive limits:	Not applicable
Lower explosive limit (LEL):	Not applicable
Upper explosive limit (UEL):	Not applicable
Flash point:	32 °C (does not sustain combustion)
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not available
pH:	Not available
pH solution:	Not available
Viscosity, kinematic:	> 20.5 mm^2/s
Solubility:	insoluble in water. soluble in most organic solvents.
Partition coefficient n-octanol/water (Log Kow):	Not available
Vapour pressure:	Not available
Vapour pressure at 50 °C:	Not available
Density:	1.15 (1.13 – 1.17) g/cm^3
Relative density:	Not available
Relative vapour density at 20 °C:	Not applicable
Particle size:	Not available
Particle size distribution:	Not available
Particle shape:	Not available
Particle aspect ratio:	Not available
Particle aggregation state:	Not available
Particle agglomeration state:	Not available
Particle specific surface area:	Not available
Particle dustiness:	Not available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continue)

9.2 Other information
VOC content: 206 g/l

9.2.1. Information with regard to physical hazard classes
Not sustained combustibility: Yes

9.2.2. Other safety characteristics:
VOC content: 206 g/l

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:	The product is non-reactive under normal conditions of use, storage and transport.
10.2 Chemical stability:	Stable under normal conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known under normal conditions of use.
10.4 Conditions to avoid:	None under recommended storage and handling conditions (see section 7).
10.5. Incompatible materials:	No additional information available.
10.6. Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity (oral): Not classified
Acute toxicity (dermal): Not classified
Acute toxicity (inhalation): Not classified

styrene (100-42-5)	
LD50 oral	> 6000 mg/kg bodyweight Animal: hamster, Syrian, Animal sex: male
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	11.8 mg/l (4 h, Rat, Inconclusive, insufficient data, Inhalation (vapours))
2-phenoxyethanol (122-99-6)	
LD50 oral rat	1850 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	14391 mg/kg bodyweight Animal: rat
LD50 dermal rabbit	> 2214 mg/kg bodyweight Animal: rabbit, Guideline: other:Draft IRLG (Interagency Regulatory Liaison Group) Guidelines for Selected Acute Toxicity Tests (August. 1979)
LC50 Inhalation - Rat	> 1 mg/l air Animal: rat, Guideline: other:OECD 412
dolomite (16389-88-1)	
LD50 oral rat	> 2000 mg/kg (OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), rat, female, Experimental value)
magnesium hydroxide (1309-42-8)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method)
LC50 Inhalation - Rat	> 2.1 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)
isopentane; 2-methylbutane (78-78-4)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral))
LC50 Inhalation - Rat	> 25.3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
talc (14807-96-6)	
LD50 oral rat	> 5000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 2.1 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 15 day(s))
magnesium carbonate (546-93-0)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity - Fixed Dose Procedure)
silicon dioxide, amorphous (7631-86-9)	
LD50 oral rat	> 10000 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Dermal)
Calcium carbonate (1317-65-3)	
LD50 oral rat	6450 mg/kg (Rat, Literature study, Oral)

Unknown acute toxicity (CLP) – SDS:	0.29% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 0.29% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
Skin corrosion/irritation	Causes skin irritation.

SECTION 11: TOXICOLOGICAL INFORMATION (continue)

Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitisation:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified

styrene (100-42-5)	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity: Suspected of damaging the unborn child.

2-phenoxyethanol (122-99-6)	
LOAEL (animal/male, F1)	≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: other:Reproductive Assessment by Continuous Breeding (RACB); protocol devised by the NTP
LOAEL (animal/female, F1)	≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:Reproductive Assessment by Continuous Breeding (RACB); protocol devised by the NTP
NOAEL (animal/female, F0/P)	≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:Reproductive Assessment by Continuous Breeding (RACB); protocol devised by the NTP

STOT-single exposure: May cause respiratory irritation.

styrene (100-42-5)	
STOT-single exposure:	May cause respiratory irritation.

isopentane; 2-methylbutane (78-78-4)	
STOT-single exposure:	May cause drowsiness or dizziness.

STOT-repeated exposure: Causes damage to organs (hearing organs) through prolonged or repeated exposure (inhalation).

styrene (100-42-5)	
LOAEL (oral, rat, 90 days)	2000 mg/kg bodyweight Animal: rat
LOAEC (inhalation, rat, vapour, 90 days)	0.21 mg/l air Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat
NOAEL (subchronic, oral, animal/male, 90 days)	10 mg/kg bodyweight Animal: mouse, Animal sex: male
STOT-repeated exposure	Causes damage to organs (hearing sense) through prolonged or repeated exposure (if inhaled).

2-phenoxyethanol (122-99-6)	
LOAEL (oral, rat, 90 days)	> 700 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)
LOAEL (dermal, rat/rabbit, 90 days)	> 500 mg/kg bodyweight Animal: rabbit
NOAEL (oral, rat, 90 days)	700 mg/kg bodyweight/day
NOAEL (dermal, rat/rabbit, 90 days)	500 mg/kg bodyweight Animal: rabbit
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.0482 mg/l/6h/day

magnesium hydroxide (1309-42-8)	
NOAEL (oral, rat, 90 days)	≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:The EPA Health Effects Test Guidelines, OPPTS 870.3650, Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test, July 2000, Guideline: other:Commision Regulation (EC) No 440/2008 Part B:Methods for the Determination of Toxicity and other Heallth Effects; B.7: "Repeated Dose (28 days) Toxicity (oral)". Official Journal of the European Union No. L142, May 2008, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents), Guideline: other:EPA OPPTS 870.3050(repeated Dose 28-day oral toxicity study in rodents)

isopentane; 2-methylbutane (78-78-4)	
NOAEC (inhalation, rat, vapour, 90 days)	30 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study), Guideline: other: U.S. EPA/FIFRA Guidelines §82-4, Guideline: EPA OTS 798.2450 (90-Day Inhalation Toxicity), Guideline: other: U.S. EPA/TSCA Guidelines 40 CFR §798.6059, and §798.6059, 798.6200, 798.6400, Guideline: other:EU Guideline 87/302/EEC

Aspiration hazard: Not classified

EASY 1 BODY FILLER FOR DEEP REPAIRS	
Viscosity, kinematic	> 20.5 mm²/s

11.2. Information on other hazards: No additional information available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

SECTION 12: ECOLOGICAL INFORMATION (continue)

Ecology - general:	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute):	Not classified
Hazardous to the aquatic environment, long-term (chronic)	Not classified

styrene (100-42-5)	
LC50 - Fish [1]	10 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	4.7 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	4.9 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	6.3 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
ErC50 algae	4.9 mg/l (EPA OTS 797.1050, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
LOEC (chronic)	2.06 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and degradability:

styrene (100-42-5)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Chemical oxygen demand (COD)	2.8 g O_2/g substance
ThOD	3.07 g O_2/g substance
BOD (% of ThOD)	0.42 (Literature study)

12.3. Bioaccumulative potential:

styrene (100-42-5)	
BCF - Fish [1]	35.5 (Carassius auratus, Literature study)
Partition coefficient n-octanol/water (Log Pow)	2.96 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4 Mobility in soil:

styrene (100-42-5)	
Surface tension	0.032 N/m (20 °C)
Partition coefficient n-octanol/water (Log Koc)	2.55 (log Koc, Estimated value)
Ecology - soil	Low potential for adsorption in soil.

12.5 Results of PBT and vPvB assessment:

Component	
styrene (100-42-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6 Other adverse effects:
No additional information available

12.7. Other adverse effects
No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Regional legislation (waste):	Disposal must be done according to official regulations.
Waste treatment methods:	Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / IMDG / IATA / ADN / RID:

14.1	**UN number:**	UN-No. (ADR): Not regulated UN-No. (IMDG): Not regulated UN-No. (IATA): Not regulated UN-No. (ADN): Not regulated UN-No. (RID): Not regulated
14.2	**UN proper shipping name:**	Proper Shipping Name (ADR): Not regulated Proper Shipping Name (IMDG): Not regulated Proper Shipping Name (IATA): Not regulated Proper Shipping Name (ADN): Not regulated Proper Shipping Name (RID): Not regulated

SECTION 14: TRANSPORT INFORMATION (continue)

14.3	**Transport Hazard Class(es):**	Transport hazard class(es) (ADR): Not regulated Transport hazard class(es) (IMDG): Not regulated Transport hazard class(es) (IATA): Not regulated Transport hazard class(es) (ADN): Not regulated Transport hazard class(es) (RID): Not regulated
14.4	**Packing group**	Packing group (ADR): Not regulated Packing group (IMDG): Not regulated Packing group (IATA): Not regulated Packing group (ADN): Not regulated Packing group (RID): Not regulated
14.5	**Environmental hazards:**	
	Dangerous for the environment:	No
	Marine pollutant:	No
	Other information:	No supplementary information available
14.6	**Special precautions for user**	
	Overland transport:	Not regulated
	Transport by sea:	Not regulated
	Air transport:	Not regulated
	Inland waterway transport	Not regulated
	Rail transport	Not regulated
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable

SECTION 15: REGULATORY INFORMATION

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:		
Reference code	**Applicable on**	**Entry title or description**
3(a)	styrene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	styrene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	styrene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	styrene	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

VOC content:	206 g/l
15.1.2. National regulations:	No additional information available
15.2. Chemical safety assessment:	No chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.

SECTION 16: OTHER INFORMATION (continue)	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

1.1 Product Identifier

Product Name: Easi-Fil (Hardener) Part B

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

Material uses: Industrial, professional, consumer use. Hardener (Crosslinker)
Uses advised against: No additional information available.

1.3 Details of the supplier of the safety data sheet

Company Name: Polycote UK LLP
Centre Point
Wolseley Road
Woburn Road Industrial Estate
Kempston
Beds
MK42 7EF

Telephone Number: 01234 846400
Emergency Contact Number: 111 (NHS England)
Email address: uksales@polycote.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 [CLP]:
Organic Peroxides, Type E, H242
Serious eye damage/eye irritation, Category 2, H319
Skin sensitisation, Category 1, H317
Hazardous to the aquatic environment — Acute Hazard, Category 1, H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1, H410
Full text of H-statements: see section 16

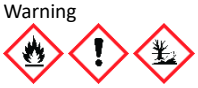
Adverse physicochemical, human health and environmental effects
May cause an allergic skin reaction. Causes serious eye irritation. Very toxic to aquatic life.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]:

Signal word: Warning

Hazard pictograms:



Hazard statements:
H242 - Heating may cause a fire.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements:
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P234 - Keep only in original packaging.
P261 - Avoid breathing fume, vapours.
P280 - Wear eye protection, protective clothing, protective gloves.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.
P403+P235 - Store in a well-ventilated place. Keep cool.

Labelling according to: exemption for packages of a capacity of 125ml or less:

Signal word: Warning

Hazard pictograms:

Hazard statements (CLP):
H317 - May cause an allergic skin reaction.

Precautionary statements (CLP):
P261 - Avoid breathing fume, vapours.
P280 - Wear eye protection, protective clothing, protective gloves.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

2.3 Other hazards:

Component	
ethanediol; ethylene glycol (107-21-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance:
Non-applicable

3.2 Mixtures:

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
dibenzoyl peroxide	(CAS-No.) 94-36-0 (EC-No.) 202-327-6 (EC Index-No.) 617-008-00-0 (REACH-no) 01-2119511472-50	25 – 75	Org. Perox. B, H241 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
ethanediol; ethylene glycol substance with a Community workplace exposure limit	(CAS-No.) 107-21-1 (EC-No.) 203-473-3 (EC Index-No.) 603-027-00-1 (REACH-no) 01-2119456816-28	0.1 – 10	Acute Tox. 4 (Oral), H302

Full text of H- and EUH-statements: see section 16

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures:

By inhalation: Remove person to fresh air and keep comfortable for breathing.

By skin contact: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

By eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

By ingestion/aspiration: Call a poison centre or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact: May cause an allergic skin reaction.

Symptoms/effects after eye contact: Eye irritation.

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

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam.

5.2 Special hazards arising from the substance or mixture:

Hazardous decomposition products in case of fire: Carbon monoxide. Carbon dioxide. Benzene.

5.3 Advice for firefighters:

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Other information: Use fire control measures appropriate for the surrounding fire. Exposure to fire and heat radiation may cause gas receptacles to rupture. Cool endangered receptacles with water spray jet from a protected position. Prevent water used in emergency cases from entering sewers and drainage systems.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1. For non-emergency personnel

Protective equipment: Safety glasses. Protective clothing. Gloves.

Emergency procedures: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing vapours, fume.

6.1.2. For emergency responders:

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental precautions: Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

For containment: Do not allow to dry. Collect spillage.

Methods for cleaning up: Mechanically recover the product.

Other information: Ensure adequate ventilation. Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections: For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:	Ensure good ventilation of the workstation. Take precautions against electrostatic charges. Avoid contact with skin and eyes. Avoid breathing vapours, fume. Wear personal protective equipment.
Hygiene measures:	Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2 Conditions for safe storage, including any Incompatibilities:	Storage conditions: Store in a well-ventilated place. Keep cool. Storage temperature: 5-25°C (recommended) Storage area: Store in a well-ventilated place. Special rules on packaging: Keep only in original container.
7.3 Specific end use(s)	No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

8.1.1 National occupational exposure and biological limit values

BPO HARDENER	
United Kingdom - Occupational Exposure Limits	
Local name	Dibenzoyl peroxide
WEL TWA (OEL TWA) [1]	5 mg/m³

ethanediol; ethylene glycol (107-21-1)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Ethylene glycol
IOEL TWA	52 mg/m³
IOEL TWA [ppm]	20 ppm
IOEL STEL	104 mg/m³
IOEL STEL [ppm]	40 ppm
Notes	Skin Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC COMMISSION DIRECTIVE 2000/39/EC
Ireland - Occupational Exposure Limits	
Local name	Ethane-1,2-diol [Ethylene glycol]
OEL TWA [1]	10 mg/m³ particulate 52 mg/m³ vapour
OEL TWA [2]	20 ppm vapour
OEL STEL	104 mg/m³ vapour
OEL STEL [ppm]	40 ppm vapour
Notes (IE)	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2020
United Kingdom - Occupational Exposure Limits	
Local name	Ethane-1,2-diol
WEL TWA (OEL TWA) [1]	10 mg/m³ 52 mg/m³
WEL TWA (OEL TWA) [2]	20 ppm
WEL STEL (OEL STEL)	104 mg/m³
WEL STEL (OEL STEL) [ppm]	40 ppm
Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

dibenzoyl peroxide (94-36-0)	
Ireland - Occupational Exposure Limits	
Local name	Dibenzoyl peroxide [Benzoyl peroxide]
OEL TWA [1]	5 mg/m³
Notes (IE)	Sens. (In the workplace respiratory or dermal exposures to sensitising agents may occur. Sensitizers may evoke respiratory or dermal reactions, e.g. asthma, rhinitis and allergic contact dermatitis. The notation does not distinguish between respiratory or dermal sensitisation. Chemical agents that are sensitizers present special problems in the workplace. Should an employee become sensitised, subsequent exposure may cause intense responses, even at low exposure concentrations well below the OELV. Exposure should be eliminated or significantly reduced through control measures such as engineering and process controls and use of personal protective equipment (PPE))
Regulatory reference	Chemical Agents Code of Practice 2020
United Kingdom - Occupational Exposure Limits	
Local name	Dibenzoyl peroxide
WEL TWA (OEL TWA) [1]	5 mg/m³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Exposure limit values for the other components

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

dimethyl phthalate (131-11-3)	
Ireland - Occupational Exposure Limits	
Local name	Dimethyl phthalate
OEL TWA [1]	5 mg/m³
OEL STEL	10 mg/m³
Regulatory reference	Chemical Agents Code of Practice 2020
United Kingdom - Occupational Exposure Limits	
Local name	Dimethyl phthalate
WEL TWA (OEL TWA) [1]	5 mg/m³
WEL STEL (OEL STEL)	10 mg/m³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures
No additional information available

8.1.3. Air contaminants formed
No additional information available

8.1.4. DNEL and PNEC

BPO HARDENER	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	13.3 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	39 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, oral	2 mg/kg bodyweight
PNEC (Water)	
PNEC aqua (freshwater)	0.00002 mg/l
PNEC aqua (marine water)	0.000002 mg/l
PNEC aqua (intermittent, freshwater)	0.000602 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.0127 mg/kg dwt
PNEC sediment (marine water)	0.00127 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.0025 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	0.35 mg/l

8.1.5. Control banding:
No additional information available

8.2 Exposure controls:

8.2.1. Appropriate engineering controls Ensure good ventilation of the workstation.

8.2.2. Personal protection equipment: Gloves. Protective clothing. Safety glasses

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection
Eye protection: Safety glasses

8.2.2.2. Skin protection
Skin and body protection: Wear suitable protective clothing

Hand protection: Type: Protective gloves
Material: Neoprene rubber (HNBR), Nitrile rubber (NBR)
Permeation: 2 (> 30 minutes)
Thickness (mm): ≥0.14mm
Penetration: -
Standard: EN 374-3

Other skin protection:
Materials for protective clothing: Impermeable clothing

8.2.2.3. Respiratory protection
Respiratory protection: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

8.2.2.4. Thermal hazards No additional information available

8.2.3. Environmental exposure controls
Environmental exposure controls: Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continue)

Physical state:	Solid
Colour:	Red, White, Blue
Appearance:	Paste
Odour:	Characteristic
Odour threshold:	Not available
Melting point:	Not available
Freezing point:	Not applicable
Boiling point:	Not available
Flammability:	May cause fire
Explosive limits:	Not applicable
Lower explosive limit (LEL):	Not applicable
Upper explosive limit (UEL):	Not applicable
Flash point:	Not applicable
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not available
SADT:	50 °C
pH:	Not available
pH solution:	Not available
Viscosity, kinematic:	Not applicable
Solubility:	insoluble in water.
Partition coefficient n-octanol/water (Log Kow):	Not available
Vapour pressure:	Not available
Vapour pressure at 50 °C:	Not available
Density:	1.1 g/cm³
Relative density:	Not applicable
Relative vapour density at 20 °C:	Not applicable
Particle size:	Not available
Particle size distribution:	Not available
Particle shape:	Not available
Particle aspect ratio:	Not available
Particle aggregation state:	Not available
Particle agglomeration state:	Not available
Particle specific surface area:	Not available
Particle dustiness:	Not available
9.2 Other information	
VOC content:	0 g/l
9.2.1. Information with regard to physical hazard classes	No additional information available
9.2.2. Other safety characteristics:	
VOC content:	0 g/l

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:	The product is non-reactive under normal conditions of use, storage and transport.
10.2 Chemical stability:	SADT
10.3 Possibility of hazardous reactions:	No dangerous reactions known under normal conditions of use.
10.4 Conditions to avoid:	None under recommended storage and handling conditions (see section 7).
10.5. Incompatible materials:	No additional information available.
10.6. Hazardous decomposition products:	Benzene

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

dimethyl phthalate (131-11-3)	
LD50 oral rat	8200 mg/kg bodyweight Animal: rat
LD50 dermal rabbit	> 12000 mg/kg bodyweight Animal: rabbit
LC50 Inhalation - Rat	> 10.4 mg/l (6 h, Rat, Experimental value, Inhalation (vapours))

ethanediol; ethylene glycol (107-21-1)	
LD50 oral rat	7712 mg/kg bodyweight Animal: rat
LD50 dermal	> 3500 mg/kg bodyweight (Mouse, Male / female, Experimental value, Dermal)
LC50 Inhalation - Rat	> 2.5 mg/l (6 h, Rat, Male / female, Experimental value, Inhalation (aerosol))

SECTION 11: TOXICOLOGICAL INFORMATION (continue)

dibenzoyl peroxide (94-36-0)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: male

Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitisation:	May cause an allergic skin reaction.
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified

dibenzoyl peroxide (94-36-0)	
IARC group	3 - Not classifiable

ethanediol; ethylene glycol (107-21-1)	
NOAEL (chronic, oral, animal/male, 2 years)	1500 mg/kg bodyweight Animal: mouse, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)

Reproductive toxicity:	Not classified
STOT-single exposure:	Not classified
STOT-repeated exposure:	Not classified

dimethyl phthalate (131-11-3)	
NOAEL (oral, rat, 90 days)	770 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Aspiration hazard:	Not classified
11.2. Information on other hazards:	No additional information available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

Ecology - general:	Very toxic to aquatic life.
Hazardous to the aquatic environment, short-term (acute):	Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	Very toxic to aquatic life with long lasting effects.

ethanediol; ethylene glycol (107-21-1)	
LC50 - Fish [1]	72860 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 96h - Algae [1]	3536 mg/l Test organisms (species): other:grenn algae
EC50 96h - Algae [2]	6500 – 13000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	≥ 1000 mg/l Test organisms (species): Americamysis bahia (previous name: Mysidopsis bahia) Duration: '23 d'

dibenzoyl peroxide (94-36-0)	
LC50 - Fish [1]	0.0602 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	0.11 mg/l Test organisms (species): Daphnia magna

12.2. Persistence and degradability:

ethanediol; ethylene glycol (107-21-1)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.47 g O_2/g substance
Chemical oxygen demand (COD)	1.24 g O_2/g substance
ThOD	1.29 g O_2/g substance
BOD (% of ThOD)	0.36

12.3. Bioaccumulative potential:

ethanediol; ethylene glycol (107-21-1)	
BCF - Fish [1]	10 (72 h, Leuciscus idus)
BCF - Other aquatic organisms [1]	0.21 – 0.6 (Procambarus sp., Chronic)
BCF - Other aquatic organisms [2]	190 (24 h, Algae)
Partition coefficient n-octanol/water (Log Pow)	-1.34 (Experimental value)
Bioaccumulative potential	Not bioaccumulative.

12.4 Mobility in soil:

ethanediol; ethylene glycol (107-21-1)	
Surface tension	48 mN/m (20 °C)
Ecology - soil	No (test)data on mobility of the substance available.

SECTION 12: ECOLOGICAL INFORMATION (continue)

12.5 Results of PBT and vPvB assessment:

Component	
ethanediol; ethylene glycol (107-21-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6 Other adverse effects:
No additional information available

12.7. Other adverse effects
No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Regional legislation (waste):	Disposal must be done according to official regulations.
Waste treatment methods:	Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / IMDG / IATA / ADN / RID:

14.1 UN number:

UN-No. (ADR): UN 3108
UN-No. (IMDG): UN 3108
UN-No. (IATA): UN 3108
UN-No. (ADN): UN 3108
UN-No. (RID): UN 3108

14.2 UN proper shipping name:

Proper Shipping Name (ADR):	ORGANIC PEROXIDE TYPE E, SOLID
Proper Shipping Name (IMDG):	ORGANIC PEROXIDE TYPE E, SOLID
Proper Shipping Name (IATA):	ORGANIC PEROXIDE TYPE E, SOLID
Proper Shipping Name (ADN):	ORGANIC PEROXIDE TYPE E, SOLID
Proper Shipping Name (RID):	ORGANIC PEROXIDE TYPE E, SOLID
Transport document description (ADR):	UN 3108 ORGANIC PEROXIDE TYPE E, SOLID, 5.2, (D), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG):	UN 3108 ORGANIC PEROXIDE TYPE E, SOLID, 5.2, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA):	UN 3108 Organic peroxide type e, solid, 5.2, ENVIRONMENTALLY HAZARDOUS
Transport document description (ADN):	UN 3108 ORGANIC PEROXIDE TYPE E, SOLID, 5.2, ENVIRONMENTALLY HAZARDOUS
Transport document description (RID):	UN 3108 ORGANIC PEROXIDE TYPE E, SOLID, 5.2, ENVIRONMENTALLY HAZARDOUS

14.3 Transport Hazard Class(es):

Transport hazard class(es) (ADR): 5.2
Transport hazard class(es) (IMDG): 5.2
Transport hazard class(es) (IATA): 5.2
Transport hazard class(es) (ADN): 5.2
Transport hazard class(es) (RID): 5.2

Danger labels:

14.4 Packing group

Packing group (ADR): Not applicable
Packing group (IMDG): Not applicable
Packing group (IATA): Not applicable
Packing group (ADN): Not applicable
Packing group (RID): Not applicable

14.5 Environmental hazards:

Dangerous for the environment:	Yes
Marine pollutant:	Yes
Other information:	No supplementary information available

14.6 Special precautions for user

Overland transport:

Classification code (ADR):	P1
Special provisions (ADR):	122, 274
Limited quantities (ADR):	500g
Excepted quantities (ADR):	E0
Packing instructions (ADR):	P520
Mixed packing provisions (ADR):	MP4
Transport category (ADR):	2
Special provisions for carriage - Packages (ADR):	V1
Special provisions for carriage - Loading, unloading and handling (ADR):	CV15, CV22, CV24

SECTION 14: TRANSPORT INFORMATION (continue)

Tunnel restriction code (ADR):	D
EAC code:	1W
Transport by sea:	
Special provisions (IMDG):	122, 274
Packing instructions (IMDG):	P520
EmS-No. (Fire):	F-J
EmS-No. (Spillage):	S-R
Stowage category (IMDG):	D
Stowage and handling (IMDG):	SW1
Segregation (IMDG):	SG35, SG36
Properties and observations (IMDG):	Decomposes at elevated temperatures or in a fire. Burns vigorously. Insoluble in water. Contact with the eyes and skin should be avoided. May evolve irritant or toxic fumes.
Air transport:	
PCA Excepted quantities (IATA):	E0
PCA Limited quantities (IATA):	Forbidden
PCA limited quantity max net quantity (IATA):	Forbidden
PCA packing instructions (IATA):	570
PCA max net quantity (IATA):	10kg
CAO packing instructions (IATA):	570
CAO max net quantity (IATA):	25kg
Special provisions (IATA):	A20
ERG code (IATA):	5L
Inland waterway transport:	
Classification code (ADN):	P1
Special provisions (ADN):	122, 274
Limited quantities (ADN):	500 g
Excepted quantities (ADN):	E0
Equipment required (ADN):	PP, EX, A
Ventilation (ADN):	VE01
Number of blue cones/lights (ADN):	0
Rail transport:	
Classification code (RID):	P1
Special provisions (RID):	122, 274
Limited quantities (RID):	500g
Excepted quantities (RID):	E0
Packing instructions (RID):	P520
Mixed packing provisions (RID):	MP4
Transport category (RID):	2
Special provisions for carriage - Packages (RID):	W7
Special provisions for carriage - Loading, unloading and handling (RID):	CW22, CW24, CW29
Colis express (express parcels) (RID):	CE10
Hazard identification number (RID):	539
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable

SECTION 15: REGULATORY INFORMATION

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:		
Reference code	**Applicable on**	**Entry title or description**
3(b)	ethylene glycol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

VOC content: 0 g/l

15.1.2. National regulations: No additional information available

15.2. Chemical safety assessment: No chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Org. Perox. B	Organic Peroxides, Type B
Org. Perox. E	Organic Peroxides, Type E
Skin Sens. 1	Skin sensitisation, Category 1
H241	Heating may cause a fire or explosion.
H242	Heating may cause a fire.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Rev: 15/07/2025