

Polycraft DuroFlex 40 Part B

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of Issue 07.06.19

Version 1.0

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

1.1 Product Identifier

Trade Name : Polycraft DuroFlex 40 Part B
Product Code : QL7545

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

Use of the substance/mixture : No further relevant information available.

1.3 Details of the supplier of the safety data sheet

MB Fibreglass
Unit 17 & 20 Abbey Business Park
Mill Road, Newtownabbey
Co. Antrim
BT36 7EE
Tel: 02890 861992
sales@mbfg.co.uk

1.4 Emergency telephone number

Emergency number : 02890 861992 (Office Hours Only)

SECTION 2: Hazard Identification

2.1 Classification of the substance or mixture

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

Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Carc. 2: H351; Eye Irrit. 2: H319; Resp. Sens. 1: H334; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT RE 2: H373; STOT SE 3: H335

Adverse physicochemical, human health and environmental effects

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

2.2 Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) : Danger

Hazardous statements (CLP)

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer.
H373: May cause damage to organs through prolonged or repeated exposure.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+352: IF ON SKIN: Wash with plenty of water/
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304+341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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2.3 Other Hazards

This product is not identified as a PBT/vPvB substance.

SECTION 3: Composition / Information on ingredients

3.2 Mixture

Hazardous ingredients:

DIISOPROPYLNAPHTHALENE ISOMERS - REACH registered number(s): 01-2119565150-48

EINECS	CAS	PBT / WEL	CLP Classification	Percent
254-052-6	38640-62-9	-	Asp. Tox. 1: H304; Aquatic Chronic 1: H410	>50%

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EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	99784-49-3	-	Eye Irrit. 2: H319; STOT SE 3: H335; STOT RE 2: H373; Acute Tox. 4: H332; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317	1-25%

DIPHENYLMETHANE-2,4'-DI-ISOCYANATE - REACH registered number(s): 01-2119480143-45

EINECS	CAS	PBT / WEL	CLP Classification	Percent
227-534-9	5873-54-1	-	Carc. 2: H351; Acute Tox. 4: H332; STOT RE 2: H373; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317	1-25%

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE - REACH registered number(s): 01-2119457014-47

EINECS	CAS	PBT / WEL	CLP Classification	Percent
202-966-0	101-68-8	-	Carc. 2: H351; Acute Tox. 4: H332; STOT RE 2: H373; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317	1-25%

SECTION 4: First aid Measures

4.1 Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious and breathing is OK, place in the recovery position. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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4.2 Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat. There may be shortness of breath due to congestion of the lungs.

Inhalation: Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath.

Delayed / immediate effects: Delayed effects can be expected after long-term exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2 Special hazards arising from the substance or mixture

In combustion emits toxic fumes.

5.3 Advice for firefighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personnel precautions: Notify the police and fire brigade immediately. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental precautions

Environmental Precautions: Do not discharge into drains or rivers. Alert the neighbourhood to the presence of fumes or gas. Contain the spillage using bunding.

6.3 Methods and material for containment and cleaning up

Clean-up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method..

6.4 Reference to other sections

Refer to section 8 of SDS.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling requirements: Ensure there is exhaust ventilation of the area. Avoid the formation or spread of mists in the air.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls / personal protection

8.1 Control Parameters

Hazardous ingredients: DIPHENYLMETHANE-2,4'-DI-ISOCYANATE

Workplace exposure limits:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	0.02mg/m3	0.07mg/m3	-	-

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SECTION 8: Exposure controls / personal protection

Hazardous ingredients: DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	0.02mg/m3	0.07mg/m3	-	-

DNEL/PNEC Values

Hazardous ingredients: DIPHENYLMETHANE-2,4'-DI-ISOCYANATE

Type	Exposure	Value	Population	Effect
DNEL	Dermal	50 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	0.1 mg/m3 air	Workers	Systemic
DNEL	Dermal	28.7mg/cm2	Workers	Local
DNEL	Inhalation	0.1 mg/m3 air	Workers	Local
DNEL	Inhalation (repeated dose)	0.05 mg/m3 air	Workers	Systemic
DNEL	Inhalation (repeated dose)	0.05 mg/m3 air	Workers	Local
DNEL	Dermal	25 mg/kg bw/day	General Population	Systemic
DNEL	Inhalation	0.05 mg/m3 air	General Population	Systemic
DNEL	Oral	20 mg/kg bw/day	General Population	Systemic
DNEL	Dermal	17.2 mg/cm2	General Population	Local
DNEL	Inhalation	0.05 mg/m3 air	General Population	Local
DNEL	Inhalation (repeated dose)	0.025 mg/m3 air	General Population	Systemic
DNEL	Inhalation (repeated dose)	0.025 mg/m3 air	General Population	Local
PNEC	Fresh Water	>1mg/l	-	-
PNEC	Marine water	>0.1 mg/l	-	-
PNEC	Soil (agricultural)	>0.1 mg/kg dry weight	-	-
PNEC	Microorganisms in sewage treatment	>1 mg/l	-	-

Hazardous ingredients: DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	0.05mg/m3	Workers	Systemic
DNEL	Inhalation	0.05mg/m3	Workers	Local
PNEC	Fresh water	1mg/l	-	-
PNEC	Marine water	0.1mg/l	-	-
DNEL	Dermal	50mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	0.1mg/m3 air	Workers	Systemic
DNEL	Dermal	28.7mg/cm2	Workers	Local
DNEL	Inhalation	0.1mg/m3 air	Workers	Local
DNEL	Inhalation (repeated dose)	0.05mg/m3 air	Workers	Systemic
DNEL	Inhalation (repeated dose)	0.05mg/m3 air	Workers	Local
DNEL	Dermal	25mg/k3 bw/day	General Population	Systemic
DNEL	Inhalation	0.05mg/m3 air	General Population	Systemic
DNEL	Oral	20mg/kg m3 air	General Population	Systemic
DNEL	Dermal	17.2mb/cm2	General Population	Systemic
DNEL	Inhalation	0.05mg/m3 air	General Population	Local
DNEL	Inhalation (repeated dose)	0.025mg/m3 air	General Population	Systemic
DNEL	Inhalation (repeated dose)	0.025mg/m3 air	General Population	Local
PNEC	Soil (agricultural)	>1mk dry weight	-	-
PNEC	Microorganisms in sewage treatment	>1mg/l	-	-

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SECTION 8: Exposure controls / personal protection

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be used in handling.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Environmental: Ensure all engineering measures mentioned in section 7 of SDS are in place.

SECTION 9: Physical and chemical properties

9.1 Control Parameters

Physical state	: Liquid
Colour	: Pale Yellow
Odour	: Characteristic odour
Evaporation rate	: No data available.
Oxidising	: No data available.
Solubility in water	: Reacts with Water
Viscosity	: 60 mPa.s (25°C)
Boiling point/range°C	: No data available.
Flammability limits %	: No data available.
Flash point°C	: No data available.
Autoflammability°C	: No data available.
Relative density	: 0.98 - 1.03
VOC g/l	: No data available.
Melting point/range°C upper	: No data available.
Part.coeff. n-octanol/water	: No data available.
Vapour pressure	: No data available.
pH	: No data available.

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Heat. Hot surfaces. Flames

10.5 Incompatible materials

Strong oxidising agents. Strong acids

10.6 Hazardous decomposition products

In combustion emits toxic fumes.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Hazardous ingredients: **DIISOPROPYLNAPHTHALENE ISOMERS**

-	RAT	NOAEL (6 mon)	170	mg/kg/d
DERMAL	RAT	LD50	>4000	mg/kg
DUST/MIST	RAT	1H LC50	> 5.6	mg/l
ORAL	RAT	LD50	> 4000	mg/l

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SECTION 11: Toxicological Information

DIISOPROPYLNAPHTHALENE ISOMERS

-	RAT	NOAEL (6 mon)	170	mg/kg/d
DERMAL	RAT	LD50	>4000	mg/kg
DUST/MIST	RAT	1H LC50	> 5.6	mg/l
ORAL	RAT	LD50	> 4000	mg/l

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DERMAL	RBT	LD50	>9400	mg/kg
ORAL	RAT	LD50	> 2010	mg/l

DIPHENYLMETHANE-2,4' DI-ISOCYANATE

DERMAL	RBT	LD50	>9400	mg/kg
ORAL	RAT	LD50	> 2010	mg/l

DIPHENYLMETHANE-4,4' DI-ISOCYANATE

ORAL	MUS	LD50	2200	mg/kg
ORAL	RAT	LD50	9200	mg/l

Relevant hazards for product:

Hazards	Route	Basis
Skin corrosion/irritation	DRM	Hazardous : calculated
Serious eye damage/irritation	OPT	Hazardous : calculated
Respiratory/skin sensitisation	INH DRM	Hazardous : calculated
Carcinogenicity	-	Hazardous : calculated
STOT-single exposure	INH	Hazardous : calculated
STOT-repeated exposure	-	Hazardous : calculated

11.2 Symptoms / route of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat. There may be shortness of breath due to congestion of the lungs.

Inhalation: Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath.

Delayed / immediate effects: Delayed effects can be expected after long-term exposure.

SECTION 12: Ecological information

12.1 Toxicity

Hazardous ingredients:

DIISOPROPYLNAPHTHALENE ISOMERS

ALGAE	72H EC0	0.15	mg/l
DAPHNIA	21D NOEC	0.013	mg/l
DAPHNIA	48H EC0	0.16	mg/l
DAPHNIA	48H LL50	1.7	mg/l
FISH	96H LC0	0.5	mg/l

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BACTERIA (Activated Sludge)	3H EC50	>100	mg/l
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PREPOLYMER BASED ON AROMATIC POLYISOCYANATE

BACTERIA (Activated Sludge)	3H EC50	>100	mg/l
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DIPHENYLMETHANE-2,4'-DI-ISOCYANATE

BACTERIA (Activated Sludge)	3H EC50	>100	mg/l
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DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

BACTERIA (Activated Sludge)	3H EC50	>100	mg/l
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12.2 Persistence and degradability

Biodegradable.

12.3 Bioaccumulative potential

No bioaccumulation potential.

12.4 Mobility in soil

Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance

12.6 Other adverse effects

Negligible ecotoxicity.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Waste code number: 08 05 01

Disposal of packaging: Arrange for collection by specialised disposal company

NB: The users attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: Transport information

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

14.1 UN number

UN-No. :3082

14.2 UN proper shipping name

Proper Shipping Name : ENVIROMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
(CONTAINS: DIISOPROPYLNAPHTHALENE ISOMERS)

14.3 Transport hazard class (es)

ADR

Transports hazard class(es) (ADR) :9

Danger labels (ADR) :9



IMDG

Transports hazard class(es) (IMDG) :9

Danger labels (IMDG) :9



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IATA

Transports hazard class(es) (IATA) :9
Danger labels (IATA) :9



14.4 Packing group

Packing group (ADR) : III
Packing group (IMDG) : III
Packing group (IATA) : III

14.5 Environmental hazards

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

14.6 Special precautions for user

Special precautions : No special precautions
Tunnel Code: E
Transport category: 3

SECTION 15: Regulatory information

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

Specific regulations: Not applicable.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16 Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830
*indicates text in the SDS which has changed since the last revision

Phrases used in s.2 and s.3: H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as a guarantee for a specific property of the product.