

SAFETY DATA SHEET

FC 3680A

Page: 1

Compilation date: 01/06/2015

Revision date: 01/07/2015

Revision No: 6

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

1.1. Product identifier

Product name: FC 3680A

Product code: FC 3680A

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

Use of substance / mixture: PC1: Adhesives, sealants. PC9a: Coatings and paints, thinners, paint removers. PC9b: Fillers, putties, plasters, modelling clay. PC32: Polymer preparations and compounds. PROC1: Use in closed process, no likelihood of exposure PROC2: Use in closed, continuous process with occasional controlled exposure PROC3: Use in closed batch process (synthesis or formulation) PROC4: Use in batch and other process (synthesis) where opportunity for exposure arises PROC5: Mixing or blending in batch processes for formulation of preparations* and articles (multistage and/or significant contact) PROC8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC10: Roller application or brushing PROC13: Treatment of articles by dipping and pouring PROC19: Hand-mixing with intimate contact and only PPE available ERC2: Formulation of preparations* ERC3: Formulation in materials ERC5: Industrial use resulting in inclusion into or onto a matrix ERC6d: Industrial use of process regulators for polymerisation processes in production of resins, rubbers, polymers

1.3. Details of the supplier of the safety data sheet

Company name: MB Fibreglass
Unit 17 & 20 Abbey Business Park
Mill Road
Newtownabbey
BT36 7EE
United Kingdom
Tel: 02890 861992

Email: sales@mbfg.co.uk

SAFETY DATA SHEET

FC 3680A

Page: 2

1.4. Emergency telephone number

Emergency tel: 02890 861992
(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Eye Irrit. 2: H319

Most important adverse effects: May be fatal if swallowed and enters airways. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H304: May be fatal if swallowed and enters airways.
H319: Causes serious eye irritation.
H411: Toxic to aquatic life with long lasting effects.

Hazard pictograms: GHS07: Exclamation mark
GHS08: Health hazard
GHS09: Environmental



Signal words: Danger

Precautionary statements: P264: Wash hands thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331: Do NOT induce vomiting.

2.3. Other hazards

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

[cont...]

SAFETY DATA SHEET

FC 3680A

Page: 3

1,1',1'',1'''-ETHYLENEDINITRILOTETRAPROPAN-2-OL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-041-4	102-60-3	-	Eye Irrit. 2: H319	1-25%

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

254-052-6	38640-62-9	-	Asp. Tox. 1: H304; Aquatic Chronic 1: H410	1-25%
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DIPROPYLENEGLYCOL DIBENZOATE - REACH registered number(s): 01-2119529241-49

248-258-5	27138-31-4	-	Aquatic Chronic 3: H412	1-25%
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PHOSPHORIC ACID POLYESTER

-	-	-	Eye Irrit. 2: H319	1-25%
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CYCLOHEXANONE

203-631-1	108-94-1	-	Flam. Liq. 3: H226; Acute Tox. 4: H332	1-25%
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LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

265-199-0	64742-95-6	-	Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; Aquatic Chronic 2: H411	0.05-1%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Consult a doctor.

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

Ingestion: Wash out mouth with water. Do not induce vomiting. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Move to fresh air in case of accidental inhalation of vapours. Consult a doctor.

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: Nausea and stomach pain may occur.

Inhalation: Exposure may cause coughing or wheezing.

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

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

Immediate / special treatment: Show this safety data sheet to the doctor in attendance.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

[cont...]

SAFETY DATA SHEET

FC 3680A

Page: 4

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear protective clothing to prevent contact with skin and eyes. Wear self-contained breathing apparatus.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel. 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. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed. Avoid contact with water or humidity.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

[cont...]

SAFETY DATA SHEET

FC 3680A

Page: 5

CYCLOHEXANONE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	10 ppm	20 ppm	-	-

DNEL/PNEC Values

Hazardous ingredients:

1,1',1",1"'-ETHYLENEDINITRILOTETRAPROPAN-2-OL

Type	Exposure	Value	Population	Effect
PNEC	Fresh water	0.085 mg/l	-	-
PNEC	Marine water	0.0085 mg/l	-	-
PNEC	Intermittent release	1.51 mg/l	-	-
PNEC	STP	70 mg/l	-	-
PNEC	Fresh water sediments	0.193 mg/kg	-	-
PNEC	Marine sediments	0.0193 mg/kg	-	-
PNEC	Soil (agricultural)	0.0183 mg/kg	-	-
DNEL	Dermal	4.2 mg/kg	Workers	Systemic
DNEL	Inhalation	29.4 mg/m ³	Workers	Systemic
DNEL	Dermal	2.5 mg/kg	Consumers	Systemic
DNEL	Inhalation	8.7 mg/m ³	Consumers	Systemic
DNEL	Oral	2.5 mg/kg	Consumers	Systemic

DIPROPYLENEGLYCOL DIBENZOATE

Type	Exposure	Value	Population	Effect
DNEL	Dermal (repeated dose)	10 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	8.8 mg/m ³	Workers	Systemic
DNEL	Dermal (repeated dose)	0.22 mg/kg bw/day	General Population	Systemic
DNEL	Inhalation (repeated dose)	8.69 mg/m ³	General Population	Systemic
DNEL	Oral (repeated dose)	5 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	0.0037 mg/l	-	-
PNEC	Marine water	0.00037 mg/l	-	-
PNEC	Aqua Intermittent	0.037 mg/l	-	-
PNEC	Fresh water sediments	1.49 mg/kg	-	-
PNEC	Marine sediments	0.149 mg/kg	-	-
PNEC	Soil	1 mg/kg	-	-
PNEC	Microorganisms in sewage treatment	10 mg/l	-	-

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SAFETY DATA SHEET

FC 3680A

Page: 6

LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

Type	Exposure	Value	Population	Effect
DNEL	Dermal	25 mg/kg	Workers	Systemic
DNEL	Inhalation	150 mg/m3	Workers	Systemic
DNEL	Dermal	11 mg/kg	Consumers	Systemic
DNEL	Inhalation	32 mg/m3	Consumers	Systemic
DNEL	Oral	11 mg/kg	Consumers	Systemic

8.2. Exposure controls

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

Respiratory protection: Gas/vapour filter, type A: organic vapours (EN141). Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

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

Skin protection: Impermeable protective clothing.

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

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Cream

Odour: Characteristic odour

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: No data available.

Viscosity: 420 mPas (25°C)

Boiling point/range°C: No data available.

Flammability limits %: lower: 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: No data available.

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

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

[cont...]

SAFETY DATA SHEET

FC 3680A

Page: 7

10.2. Chemical stability

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

Conditions to avoid: Heat. Moist air. Humidity.

10.5. Incompatible materials

Materials to avoid: Water. Oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

1,1',1'',1'''-ETHYLENEDINITRILOTETRAPROPAN-2-OL

ORAL	RAT	LD50	2890	mg/kg
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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/kg

DIPROPYLENEGLYCOL DIBENZOATE

-	RAT	NOAEL (in feed, 90Da)	1000	mg/kg
DERMAL	RAT	LD50	>2000	mg/kg
DUST/MIST	RAT	4H LC50	>200	mg/l
ORAL	RAT	LD50	3914	mg/kg

CYCLOHEXANONE

ORL	MUS	LD50	1400	mg/kg
ORL	RAT	LD50	1620	µl/kg
SCU	RAT	LD50	2170	mg/kg

[cont...]

SAFETY DATA SHEET

FC 3680A

Page: 8

LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

ORL	RAT	LD50	8400	mg/kg
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Relevant hazards for substance:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated
Aspiration hazard	-	Hazardous: calculated

Symptoms / routes of exposure

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

Eye contact: There may be irritation and redness.

Ingestion: Nausea and stomach pain may occur.

Inhalation: Exposure may cause coughing or wheezing.

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

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

1,1',1",1"'-ETHYLENEDINITRILOTETRAPROPAN-2-OL

Activated Sludge	DEV-L2	>1000	mg/l
Aquatic Plants (Desmodesmus subspicatus)	72H EC50	150.67	mg/l
Daphnia magna	48H EC0	>=100	mg/l
Fish (Leuciscus idus)	96H LC50	>2000	mg/l

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

DIPROPYLENEGLYCOL DIBENZOATE

ALGAE	72H LL50	4.9	mg/l
ALGAE	72H NOELR	1.0	mg/l
Daphnid	48H LL50	19.3	mg/l
FISH	96H LC50	3.7	mg/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

[cont...]

SAFETY DATA SHEET

FC 3680A

Page: 9

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

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

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

Section 14: Transport information

14.1. UN number

UN number: UN3082

14.2. UN proper shipping name

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Contains: Diisopropylnaphthalene isomers)

14.3. Transport hazard class(es)

Transport class: 9

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6. Special precautions for user

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.

[cont...]

SAFETY DATA SHEET

FC 3680A

Page: 10

15.2. Chemical Safety Assessment

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

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H410: Very toxic to aquatic life with long lasting effects.
H411: Toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.