



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

XPU 18560M A
Supersedes Date: 08-Jun-2022

Revision date 07-Mar-2023
Revision Number 2.01

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

1.1. Product identifier

Product Name XPU 18560M A

Pure substance/mixture Mixture

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

Recommended use Resin

Uses advised against None known

1.3. Details of the supplier of the safety data sheet

Company Name

Bostik Limited
Common Rd
ST16 3EH
Stafford UK
Tel: +44 (1785) 27 26 25
Fax: +44 (1785) 25 72 36

E-mail address SDS.box-EU@bostik.com

1.4. Emergency telephone number

United Kingdom Bostik: +44 (1785) 272650 (9am to 5pm Mon-Fri)
NHS: 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin sensitisation	Category 1 - (H317)
Chronic aquatic toxicity	Category 2 - (H411)

2.2. Label elements

Contains Fatty acids, C18, unsaturated, dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine;Piperazine



Signal word
Warning

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Hazard statements

H317 - May cause an allergic skin reaction.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary Statements - EU (§28, 1272/2008)

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P273 - Avoid release to the environment
P280 - Wear 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
P391 - Collect spillage

Additional information

This product is part of a kit. Please also refer to the SDS for the other component(s) of the kit.

2.3. Other hazards

May be harmful if swallowed.

PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	EC No (EU Index No)	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH registration number
Polypropylene glycol	-	25322-69-4	10 - <20	Acute Tox. 4 (H302)	-	01-2119457556-29-xxxx
Poly(oxy-1,4-butanediyl), .alpha.-hydro-.omega.-hydroxy-	-	25190-06-1	5 - <10	Aquatic Chronic 3 (H412)	-	[7]
Diisopropylphenylthale	254-052-6	38640-62-9	1 - <5	Asp. Tox. 1 (H304) Aquatic Chronic 1 (H410)	-	01-2119565150-48-XXXX
Piperazine	(612-057-00-4) 203-808-3	110-85-0	0.1- <1	Skin Corr. 1B (H314) Dam. 1 (H318) Resp. Sens. 1 (H334) Skin Sens. 1 (H317) Repr. 2 (H361fd) Flam. Sol. 1 (H228)	-	01-2119480384-35-XXXX
Quartz	238-878-4	14808-60-7	0.1- <1	[B]	-	[5]

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Fatty acids, C18, unsaturated, dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine	605-296-0	162627-17-0	0.1 - <0.3	Skin Sens. 1A (H317)	-	01-2119970640-38-XXXX
Propylene glycol monomethyl ether	(603-064-00-3) 203-539-1	107-98-2	0.1 - <0.3	STOT SE 3 (H336) Flam. Liq. 3 (H226)	-	01-2119457435-35-xxxx

NOTE [5] - This substance is exempted from registration according to the provisions of Article 2(7)(a) and Annex V of REACH
NOTE [7] - No registration number is given for this substance because it is a polymer exempted from registration according to the provisions of Article 2(9) of REACH. All monomers or other substances within the polymer are registered or exempt from registration

Classification according to Regulation (EC) No. 1272/2008 [CLP] - Notes
[B] - Substance with a Community workplace exposure limit

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

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air. IF exposed or concerned: Get medical advice/attention.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
Skin contact	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.
Ingestion	Clean mouth with water. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person.

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

Symptoms	Itching. Rashes. Hives.
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4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors	May cause sensitisation in susceptible persons. Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	No information available.

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5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Product is or contains a sensitiser. May cause sensitisation by skin contact.

Hazardous combustion products Carbon oxides. Carbon monoxide. Carbon dioxide (CO₂). Thermal decomposition can lead to release of irritating and toxic gases and vapours.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Please also refer to the SDS for the other component(s) of the kit. This product is part of a kit. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing. Protect from moisture.

Recommended storage temperature Keep at temperatures between 10 and 35 °C.

7.3. Specific end use(s)

Specific use(s)

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Resin.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	United Kingdom
Limestone 1317-65-3	-	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³
Piperazine 110-85-0	TWA: 0.1 mg/m ³ STEL: 0.3 mg/m ³	TWA: 0.1 mg/m ³ STEL: 0.3 mg/m ³ Sen+
Quartz 14808-60-7	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³ STEL: 0.3 mg/m ³
1,2-Propylene glycol 57-55-6	-	TWA: 150 ppm TWA: 474 mg/m ³ TWA: 10 mg/m ³ STEL: 450 ppm STEL: 1422 mg/m ³ STEL: 30 mg/m ³
Propylene glycol monomethyl ether 107-98-2	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³ *	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³ Sk*

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)			
Diisopropylnaphthalene (38640-62-9)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term	Dermal	4.3 mg/kg bw/d	
worker Long term	Inhalation	30 mg/m ³	

Piperazine (110-85-0)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	0.1 mg/m ³	
worker Long term Local health effects	Inhalation	0.3 mg/m ³	
worker Long term Systemic health effects	Dermal	0.014 mg/kg bw/d	
worker Short term Systemic health effects	Dermal	0.042 mg/kg bw/d	

Quartz (14808-60-7)

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Propylene glycol monomethyl ether (107-98-2)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Short term Systemic health effects	Inhalation	553.5 mg/m ³	
worker Short term Local health effects	Inhalation	553.5 mg/m ³	
worker Long term Systemic health effects	Dermal	183 mg/kg bw/d	
worker Long term Systemic health effects	Inhalation	369 mg/m ³	

Derived No Effect Level (DNEL)			
Diisopropylnaphthalene (38640-62-9)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term	Oral	2.1 mg/kg bw/d	
Consumer Long term	Dermal	2.1 mg/kg bw/d	
Consumer Long term	Inhalation	7.4 mg/m ³	

Piperazine (110-85-0)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Oral	1.5 mg/kg bw/d	

Propylene glycol monomethyl ether (107-98-2)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Dermal	78 mg/kg bw/d	
Consumer Long term Systemic health effects	Inhalation	43.9 mg/m ³	
Consumer Long term Systemic health effects	Oral	33 mg/kg bw/d	

Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)	
Diisopropylnaphthalene (38640-62-9)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.236 µg/l
Marine water	0.0236 µg/l
Freshwater sediment	0.853 mg/kg dry weight
Marine sediment	0.085 mg/kg dry weight
Soil	0.171 mg/kg dry weight
Microorganisms in sewage treatment	0.15 mg/l

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Piperazine (110-85-0)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	1.25 mg/l
Marine water	0.125 mg/l
Microorganisms in sewage treatment	54 mg/l
Freshwater sediment	4.5 mg/kg dry weight
Marine sediment	0.45 mg/kg dry weight
Soil	11.5 mg/kg dry weight

Propylene glycol monomethyl ether (107-98-2)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	10 mg/l
Marine water	1 mg/l
Sewage treatment plant	100 mg/l
Freshwater sediment	52.3 mg/kg dry weight
Marine sediment	5.2 mg/kg dry weight
Soil	4.59 mg/kg dry weight

8.2. Exposure controls

Engineering controls

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Hand protection

Wear suitable gloves. Gloves must conform to standard EN 374. Recommended Use: Nitrile rubber. Viton™. Unsuitable protective clothing. Natural rubber. Disposable gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time for the mentioned glove material is in general greater than 480 min.

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental exposure controls Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Viscous
Colour	Grey
Odour	No information available.
Odour threshold	No information available

Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flammability	Not applicable for liquids	
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	> 100 °C	
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known.
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	40000 - 60000 mPa s	Spindle A7 @ 20 rpm @ 23 °C

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Water solubility	Insoluble in water.	
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	No data available	None known
Bulk Density	No data available	
Density	1.65 g/cm ³	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

Solid content (%)	No information available	
VOC content		No data available

9.2.1. Information with regards to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No information available.
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10.2. Chemical stability

Stability	Stable under normal conditions.
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Explosion data

Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None under normal processing.
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10.4. Conditions to avoid

Conditions to avoid	Do not freeze. Protect from moisture.
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10.5. Incompatible materials

Incompatible materials	None known based on information supplied.
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10.6. Hazardous decomposition products

Hazardous decomposition products	None under normal use conditions.
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SECTION 11: Toxicological information

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

Information on likely routes of exposure

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Product Information

Inhalation	Based on available data, the classification criteria are not met.
Eye contact	Based on available data, the classification criteria are not met.
Skin contact	May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components).
Ingestion	May be harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	3,507.20 mg/kg
ATEmix (dermal)	56,842.70 mg/kg
ATEmix (inhalation-gas)	>20000 ppm
ATEmix (inhalation-dust/mist)	>5 mg/l
ATEmix (inhalation-vapour)	>20 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Polypropylene glycol	LD50 >500<2000 mg/kg (Rattus)	LD50 > 3000 mg/kg (Oryctolagus cuniculus) OECD 402	-
Poly(oxy-1,4-butanediyl), alpha.-hydro.-omega.-hydroxy-	>11000 mg/Kg (Rattus)	>2000 mg/Kg (Rattus)	>11 mg/l/4h (Rattus)
Diisopropyl naphthalene	LD50 = 4130 mg/kg (Rattus) OECD 401	> 4500 mg/kg (Rattus)	>5.64 mg/L (Rattus) 4 h
Piperazine	=2500 mg/kg (Rattus)	= 3500 mg/kg (Oryctolagus cuniculus)	-
Quartz	>2000 mg/kg (Rattus)	-	-
Fatty acids, C18, unsaturated, dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine	LD50 >5000 mg/kg (rattus)	-	-
Propylene glycol monomethyl ether	>3500 mg/Kg (Rattus)	>2000 mg/Kg (Rattus)	>7559 ppm (Rattus) 6 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

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Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

Chemical name	European Union
Piperazine	Repr. 2

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

Note: PC-ADH-8 Multi-component adhesives and sealants Please also refer to the SDS for the other component(s) of the kit This product is part of a kit

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Polypropylene glycol 25322-69-4	EC0 (72h) > 100 mg/l (Desmodesmus subspicatus) OECD 201	LC 50 (96h) > 100 mg/l (Poecilia reticulata) OECD 203	-	EC50 (48h) > 100 mg/l (Daphnia magna) OECD 202		
Poly(oxy-1,4-butanediyl), .alpha.-hydro-.omega.-hydroxy- 25190-06-1	-	-	-	>10 - <100 mg/l (Daphnia)		1
Diisopropyl naphthalene 38640-62-9	NOEC (72h) = 0.15 mg/l (Desmodesmus subspicatus) DIN 38412 part 9	>0.5 mg/l	-	EL50 (48h) = 1.7 mg/l (Daphnia magna) OECD 202		
Piperazine 110-85-0	-	LC50: >10000mg/L (96h, Lepomis)	EC50 = 430 mg/L 30 min	EC50 96 h = 31 mg/L (Daphnia magna)		

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Propylene glycol monomethyl ether 107-98-2	-	macrochirus) LC50: 4600 - 10000mg/L (96h, Leuciscus idus) LC50: =20.8g/L (96h, Pimephales promelas)	-	EC50: =23300mg/L (48h, Daphnia magna)		
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12.2. Persistence and degradability

Persistence and degradability No information available.

Piperazine (110-85-0)

Method	Exposure time	Value	Results
OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F)	28 days	65%	Readily biodegradable

Quartz (14808-60-7)

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Chemical name	Partition coefficient
Polypropylene glycol	1.13
Poly(oxy-1,4-butanediyl), .alpha.-hydro-.omega.-hydroxy-Diisopropylnaphthalene	34
Piperazine	6
Fatty acids, C18, unsaturated, dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine	-1.24
Propylene glycol monomethyl ether	5.5
	1

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product contains substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Polypropylene glycol	The substance is not PBT / vPvB
Diisopropylnaphthalene	The substance is handled as if it were a PBT / vPvB
Piperazine	The substance is not PBT / vPvB
Fatty acids, C18, unsaturated, dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine	The substance is not PBT / vPvB
Propylene glycol monomethyl ether	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

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13.1. Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.
Waste codes / waste designations according to EWC	15 01 10*: Packaging containing residues of or contaminated by dangerous substances. 16 03 03* inorganic wastes containing hazardous substances. 16 05 05 gases in pressure containers other than those mentioned in 16 05 04. Waste codes should be assigned by the user based on the application for which the product was used.
European Waste Catalogue	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances 15 01 10*: Packaging containing residues of or contaminated by dangerous substances
Other information	Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

Note: The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory definition). The information shown here, may not always agree with the bill of lading shipping description for the material. Keep from freezing.

Land transport (ADR/RID)

14.1 UN number or ID number	UN3082
14.2 Proper Shipping Name	Environmentally hazardous substances, liquid, n.o.s.(Diisopropylnaphthalene, Solvent naphtha, petroleum, light aromatic)
14.3 Transport hazard class(es)	9
Labels	9
14.4 Packing group	III
Description	UN3082, Environmentally hazardous substances, liquid, n.o.s.(Diisopropylnaphthalene, Solvent naphtha, petroleum, light aromatic), 9, III,
14.5 Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	274, 335, 601, 375
Classification code	M6
Tunnel restriction code	(-)
Limited quantity (LQ)	5 L
ADR Hazard Id (Kemmler Number)	90

IMDG

14.1 UN number or ID number	UN3082
14.2 Proper Shipping Name	Environmentally hazardous substances, liquid, n.o.s.(Diisopropylnaphthalene, Solvent naphtha, petroleum, light aromatic)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	UN3082, Environmentally hazardous substances, liquid, n.o.s.(Diisopropylnaphthalene, Solvent naphtha, petroleum, light aromatic), 9, III, Marine Pollutant
14.5 Marine pollutant	P
14.6 Special precautions for user	
Special Provisions	274, 335, 969
Limited Quantity (LQ)	5 L
EmS-No	F-A, S-F
14.7 Maritime transport in bulk according to IMO instruments	
Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable

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Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number	UN3082
14.2 Proper Shipping Name	Environmentally hazardous substances, liquid, n.o.s.(Diisopropylnaphthalene, Solvent naphtha, petroleum, light aromatic)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	UN3082, Environmentally hazardous substances, liquid, n.o.s.(Diisopropylnaphthalene, Solvent naphtha, petroleum, light aromatic), 9, III
14.5 Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	A97, A158, A197
Limited quantity (LQ)	30 kg G
ERG Code	9L

Section 15: REGULATORY INFORMATION

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Dangerous substance category per Seveso Directive (2012/18/EU)

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Persistent Organic Pollutants

Not applicable

National regulations

15.2. Chemical safety assessment

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Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H226 - Flammable liquid and vapour
H228 - Flammable solid
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H336 - May cause drowsiness or dizziness
H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child
H410 - Very toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Legend

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Ceiling Limit Value
*	Skin designation
SVHC	Substance(s) of Very High Concern
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB	Very Persistent and very Bioaccumulative (vPvB) Chemicals
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
EWC	European Waste Catalogue
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Dangerous Goods (IMDG)
IATA	International Air Transport Association (IATA)
RID	Regulations concerning the International Transport of Dangerous Goods by Rail

Key literature references and sources for data

No information available

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Indication of changes

Revision note SDS sections updated, 14.

Training Advice When working with hazardous materials, regular training of operators is required by law

Further information No information available

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation,

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End of Safety Data Sheet