

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 05.09.2013 Revision date: 08.02.2024 Supersedes: 09.03.2023 Version: 5.0

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

1.1. Product identifier

Product form	: Mixture
Product name	: Eurol Euroltherm ETX
UFI	: 2UQT-63VP-S608-3SCU
Product code	: E124838

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

1.2.1. Relevant identified uses

Main use category

: Industrial use,professional use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Eurol B.V. Energiestraat 12 NL-7442 DA Nijverdal The Netherlands Tel: +31 548 615 165 reach@eurol.com - www.eurol.com

1.4. Emergency telephone number

Emergency number

: For Transport Emergency Call +31 6 26 71 27 43 (24hr/day 7days/week)

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital Msida MSD 2090 Msida	+356 2545 6508	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	NHS 111/NHS 24/NHS Direct		111 0845 4647	or call a doctor

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazardous to the aquatic environment – Chronic Hazard, H411 Category 2

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

Adverse physicochemical, human health and environmental effects

Toxic to aquatic life with long lasting effects.

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2.2. Label elements	
Labelling according to Regulation (EC)	No. 1272/2008 [CLP]
Hazard pictograms (CLP)	: GHS09
CLP Signal word	: -
Hazard statements (CLP)	: H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P273 - Avoid release to the environment.
	P391 - Collect spillage.
	P501 - Dispose of contents/container to hazardous or special waste collection point, in
	accordance with local, regional, national and/or international regulation.

2.3. Other hazards

Contains vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
Terphenyl, hydrogenated (61788-32-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance meets the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component	
Terphenyl, hydrogenated(61788-32-7)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Terphenyl, hydrogenated substance listed as REACH Candidate substance with national workplace exposure limit(s) (GB, IE, MT); substance with a Community workplace exposure limit; vPvB substance	CAS-No.: 61788-32-7 EC-No.: 262-967-7 REACH-no: 01-2119488183- 33	100	Aquatic Chronic 2, H411

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

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.

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First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide. 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, protection	ve equipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Ventilate spillage area.
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 Methods for cleaning up Other information	 Collect spillage. Take up liquid spill into absorbent material. 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 stor	age
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	 Ensure good ventilation of the work station. Wear personal protective equipment. Do no eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, in	ncluding any incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s)	

No additional information available

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SECTION 8: Exposure controls/personal	protection		
8.1. Control parameters			
8.1.1 National occupational exposure and biological limit values			
Terphenyl, hydrogenated (61788-32-7)			
EU - Indicative Occupational Exposure Limit (IOEL)			
Local name	Terphenyl, hidrogenated		
IOELV TWA (mg/m ³)	19 mg/m³		
IOELV TWA (ppm)	2 ppm		
IOELV STEL (mg/m³)	48 mg/m ³		
IOELV STEL (ppm)	5 ppm		
Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164		
Ireland - Occupational Exposure Limits			
Local name	Hydrogenated terphenyls		
OEL (8 hours ref) (mg/m³)	19 mg/m³		
OEL (8 hours ref) (ppm)	2 ppm		
OEL (15 min ref) (mg/m3)	48 mg/m³		
OEL (15 min ref) (ppm)	5 ppm		
Remark	IOELV (Indicative Occupational Exposure Limit Values)		
Regulatory reference Chemical Agents Code of Practice 2021			
Malta - Occupational Exposure Limits			
Local name	Terphenyl, hydrogenated		
OEL TWA (mg/m³)	19 mg/m³		
OEL TWA (ppm)	2 ppm		
OEL STEL (mg/m ³)	48 mg/m ³		
OEL STEL (ppm)	5 ppm		
Regulatory reference S.L.424.24 - Chemical Agents at Work Regulations (L.N.356 of 2021)			
United Kingdom - Occupational Exposure Limits			
Local name	Terphenyl, hydrogenated		
WEL TWA (mg/m³)	19 mg/m³		
WEL TWA (ppm)	2 ppm		
WEL STEL (mg/m ³)	48 mg/m ³		
WEL STEL (OEL STEL) [ppm]	5 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

No additional information available

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8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

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: Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

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	:	Liquid
Colour	:	light yellow.
Appearance	:	liquid.
Odour	:	characteristic.
Odour threshold	:	Not available
Melting point	:	< -24 °C
Freezing point	:	Not available
Boiling point	:	360 °C
Flammability (solid, gas)	:	Non flammable.
Lower explosive limit (LEL)	:	Not available
Upper explosive limit (UEL)	:	Not available
Flash point	:	175 °C ASTM D 93
Auto-ignition temperature	:	370 °C EN 659
Decomposition temperature	:	Not available
рН	:	Not available
Viscosity, kinematic	:	30,4 mm²/s at 40 °C
Solubility	:	Insoluble.
Log Kow	:	> 6,5
Log Pow	:	0

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The product is non-reactive under normal conditions of use, storage and transport.

Vapour Pressure 20°C	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1,008 kg/l at 20 °C
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

10.1. Reactivity

10.2. Chemical stability Stable under normal conditions.

10.4. Conditions to avoid

10.5. Incompatible materials No additional information available

SECTION 10: Stability and reactivity

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

None under recommended storage and handling conditions (see section 7).

10.6. Hazardous decomposition products			
Under normal conditions of storage and u	use, hazardous decomposition products should not be produced.		
SECTION 11: Toxicological inf	ormation		
11.1. Information on hazard class	es as defined in Regulation (EC) No 1272/2008		
Acute toxicity (oral)	: Not classified		
Acute toxicity (dermal)	: Not classified		
Acute toxicity (inhalation)	: Not classified		
Terphenyl, hydrogenated (61788-	32-7)		
LD50 oral rat	> 10000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)		
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)		
LC50 Inhalation - Rat	> 4,7 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)		
Skin corrosion/irritation	Not classified		
Serious eye damage/irritation	: Not classified		
Respiratory or skin sensitisation	: Not classified		
Germ cell mutagenicity	: Not classified		
Carcinogenicity	: Not classified		
Reproductive toxicity	: Not classified		
STOT-single exposure	: Not classified		

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STOT-repeated exposure :	Not classified
Terphenyl, hydrogenated (61788-32-7)	
LOAEL (oral, rat, 90 days)	120 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.8700 (Subchronic Oral Toxicity Test)
NOAEL (dermal, rat/rabbit, 90 days)	2000 mg/kg bodyweight Animal: rabbit
Aspiration hazard :	Not classified
Eurol Euroltherm ETX	
Viscosity, kinematic	30,4 mm²/s at 40 °C
11.2. Information on other hazards	

No additional information available

SECTION 12: Ecological information		
12.1. Toxicity		
Hazardous to the aquatic environment, short-term : (acute)	Toxic to aquatic life with long lasting effects. Not classified Toxic to aquatic life with long lasting effects.	
Terphenyl, hydrogenated (61788-32-7)		
LC50 fish 1	> 1000 mg/l Oncorhynchus mykiss (Rainbow trout)	
EC50 Daphnia 1	1,34 mg/l Daphnia magna (Water flea)	
EC50 72h - Algae [1]	56 mg/l aquatic plants	

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential		
Eurol Euroltherm ETX		
Log Pow	0	
Log Kow	> 6,5	
Terphenyl, hydrogenated (61788-32-7)		
Bioconcentration factor (BCF REACH)	2000	
Log Kow	> 6,5	
12.4. Mobility in soil		
Terphenyl, hydrogenated (61788-32-7)		
Log Koc	5,5	
12.5. Results of PBT and vPvB assessment		
Component		
Terphenyl, hydrogenated (61788-32-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance meets the vPvB criteria of REACH regulation, annex XIII	

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12.6. Endocrine disrupting properties		
No additional information available		
12.7. Other adverse effects		
No additional information available		

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information In accordance with ADR / IMDG / IATA / ADN / RID ΙΑΤΑ ADR IMDG ADN 14.1. UN number or ID number UN 3082 UN 3082 UN 3082 UN 3082 14.2. UN proper shipping name ENVIRONMENTALLY ENVIRONMENTALLY ENVIRONMENTALLY ENVIRONMENTALLY Environmentally hazardous HAZARDOUS HAZARDOUS HAZARDOUS substance, liquid, n.o.s. SUBSTANCE, LIQUID. SUBSTANCE, LIQUID. SUBSTANCE, LIQUID. SUBSTANCE, LIQUID, N.O.S. NOS NOS **Transport document description** UN 3082 UN 3082 Environmentally UN 3082 UN 3082 ENVIRONMENTALLY ENVIRONMENTALLY ENVIRONMENTALLY ENVIRONMENTALLY hazardous substance, HAZARDOUS HAZARDOUS liquid, n.o.s. (Terphenyl, HAZARDOUS SUBSTANCE, LIQUID, SUBSTANCE, LIQUID, SUBSTANCE, LIQUID, SUBSTANCE, LIQUID, hydrogenated), 9, III N.O.S. (Terphenyl, N.O.S. (Terphenyl, N.O.S. (Terphenyl, N.O.S. (Terphenyl, hydrogenated), 9, III, (-) hydrogenated), 9, III, hydrogenated), 9, III hydrogenated), 9, III MARINE POLLUTANT 14.3. Transport hazard class(es) 9 9 9 9 14.4. Packing group Ш Ш Ш Ш 14.5. Environmental hazards Dangerous for the Dangerous for the Dangerous for the Dangerous for the environment: Yes environment: Yes environment: Yes environment: Yes

Dangerous for the environment: Yes

RID

UN 3082

HAZARDOUS

NOS

UN 3082

HAZARDOUS

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No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (UN)	
Special provisions (ADR)	
Limited quantities (ADR 2011)	

: M6 : 274, 335, 375, 601

: 51

Marine pollutant: Yes

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Excepted quantities (ADR)	: E1
,	
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions	: TP1, TP29
(ADR)	
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading	: CV13
and handling (ADR)	
Hazard identification number (Kemler No.)	: 90
Orange plates	. 00
	90
	<u>90</u> 3082
	3082
Tunnel restriction code (ADR)	: -
EAC code	: •3Z
Transport by sea	
Special provisions (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
c	
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A
о о у (,	
Air transport	
PCA Excepted quantities (IATA)	: E1
	: Y964
PCA Limited quantities (IATA)	
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	
	: A97, A158, A197, A215
FRG code (IATA)	
ERG code (IATA)	: A97, A158, A197, A215 : 9L
Inland waterway transport	: 9L
Inland waterway transport Classification code (ADN)	: 9L
Inland waterway transport Classification code (ADN) Special provisions (ADN)	 9L M6 274, 335, 375, 601
Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN)	: 9L : M6 : 274, 335, 375, 601 : 5 L
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Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN)	: 9L : M6 : 274, 335, 375, 601 : 5 L
Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN)	: 9L : M6 : 274, 335, 375, 601 : 5 L : E1
Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN)	 9L M6 274, 335, 375, 601 5 L E1 T
Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN)	 9L M6 274, 335, 375, 601 5 L E1 T PP
Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN)	 9L M6 274, 335, 375, 601 5 L E1 T PP
Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN) Rail transport	: 9L : M6 : 274, 335, 375, 601 : 5 L : E1 : T : PP : 0
Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN) Rail transport Classification code (RID)	 9L M6 274, 335, 375, 601 5 L E1 T PP 0
Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN) Rail transport Classification code (RID) Special provisions (RID)	 9L M6 274, 335, 375, 601 5 L E1 T PP 0 M6 274, 335, 375, 601
Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN) Rail transport Classification code (RID) Special provisions (RID) Limited quantities (RID)	 9L M6 274, 335, 375, 601 5 L E1 T PP 0 M6 274, 335, 375, 601 5L
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Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN) Rail transport Classification code (RID) Special provisions (RID) Limited quantities (RID)	 9L M6 274, 335, 375, 601 5 L E1 T PP 0 M6 274, 335, 375, 601 5L
Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN) Rail transport Classification code (RID) Special provisions (RID) Limited quantities (RID) Excepted quantities (RID)	 9L M6 274, 335, 375, 601 5 L E1 T PP 0 M6 274, 335, 375, 601 5L E1
Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN) Rail transport Classification code (RID) Special provisions (RID) Limited quantities (RID) Excepted quantities (RID) Packing instructions (RID)	 9L M6 274, 335, 375, 601 5 L E1 T PP 0 M6 274, 335, 375, 601 5L E1 P001, IBC03, LP01, R001

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Portable tank and bulk container instructions (RID) Portable tank and bulk container special provisions (RID)	-	T4 TP1, TP29
Tank codes for RID tanks (RID)	:	LGBV
Transport category (RID)	:	3
Special provisions for carriage – Packages (RID)	:	W12
Special provisions for carriage - Loading, unloading	:	CW13, CW31
and handling (RID)		
Colis express (express parcels) (RID)	:	CE8
Hazard identification number (RID)	:	90

14.7. Maritime transport in bulk according to IMO instruments

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

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)	
Reference code Applicable on	
3(c)	Eurol Euroltherm ETX ; Terphenyl, hydrogenated

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains substance(s) listed on the REACH Candidate List in concentrations ≥ 0.1 % or SCL: Terphenyl, hydrogenated (EC 262-967-7, CAS 61788-32-7)

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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SECTION 16: Other information Indication of changes **Changed item** Section Change Comments Supersedes Modified Revision date Modified Flammability (solid, gas) Added 2.1 Adverse physicochemical, human health and Added environmental effects First-aid measures after skin contact Added 4.1 First-aid measures after inhalation Added 4 1 4.1 First-aid measures after ingestion Added 4.1 Added First-aid measures after eye contact 4.3 Treatment Added 5.1 Suitable extinguishing media Added 5.2 Hazardous decomposition products in case of Added fire 5.3 Protection during firefighting Added Added 6.1 Protective equipment 6.1 Added Emergency procedures 6.2 Environmental precautions Added 6.3 Methods for cleaning up Added 6.3 Other information Added 6.3 For containment Added 6.4 Reference to other sections (8, 13) Added 7.1 Precautions for safe handling Added 7.1 Hygiene measures Added 7.2 Storage conditions Added 8.2 Environmental exposure controls Added 8.2 Respiratory protection Added Added 8.2 Hand protection 8.2 Eye protection Added 82 Appropriate engineering controls Added Added 8.2 Skin and body protection 10.1 Reactivity Added 10.2 Chemical stability Added 10.3 Possibility of hazardous reactions Added 10.4 Conditions to avoid Added 10.6 Hazardous decomposition products Added 12.1 Added Ecology - general

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Indication of changes			
Section	Changed item	Change	Comments
13.1	Product/Packaging disposal recommendations	Added	
15.2	Chemical safety assessment	Added	
16	Abbreviations and acronyms	Added	

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
РВТ	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	

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Abbreviations and acronyms:		
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	

Full text of H- and EUH-statements:		
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2	
H411	Toxic to aquatic life with long lasting effects.	

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]			
Aquatic Chronic 2	H411	Calculation method	

Safety Data Sheet (SDS), EU

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 guaranteeing any specific property of the product.