

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878 Issue date: 6/17/2020 Revision date: 9/1/2022 Supersedes version of: 6/20/2021 Version: 2.00

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

1.1. Product identifier

T.T. Product identilier			
Product form Name Trade name	: Mixture : Thinner for epoxy : ARMORTHIN EP		
1.2. Relevant identified uses of the su	bstance or mixture and	uses advised against	
1.2.1. Relevant identified uses			
Use of the substance/mixture	: The product is inte	ended for professional use	
1.2.2. Uses advised against			
No additional information available			
1.3. Details of the supplier of the safet	ty data sheet		
NOVOL Sp. z o.o. Żabikowska 7/9 62-052 KOMORNIKI Poland T 0048618109800 - F 0048618109809 <u>www.novol.com</u> E-mail address of competent person responsil	ble for the SDS : <u>dokumenta</u>	<u>cja@novol.com</u>	
1.4. Emergency telephone number			
Emergency number	: 112		
SECTION 2: Hazards identification	1		
2.1. Classification of the substance or	mixture		
Classification according to Regulation (EC) No. 1272/2008 [CLP]		
Flammable liquids, Category 3		H226	
Acute toxicity (dermal), Category 4 Acute toxicity (inhalation:dust,mist) Category 4	1	H312 H332	
Skin corrosion/irritation, Category 2	t	H315	
Serious eye damage/eye irritation, Category 1		H318	
Specific target organ toxicity - Single exposur		H336	
Specific target organ toxicity - Single exposur	e, Category 3, Respiratory	H335	

Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

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

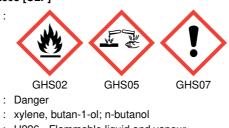
Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling	according	to Re	gulation	(EC) No.	1272/2008	[CLP	1
Laberning	, accoraing		galation	(- 0) 110.	1212/2000		

Hazard pictograms (CLP)



Signal word (CLP) Contains Hazard statements (CLP)

: H226 - Flammable liquid and vapour. H312+H332 - Harmful in contact with skin or if inhaled.

H315 - Causes skin irritation.

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H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.
H336 - May cause drowsiness or dizziness.
: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
P261 - Avoid breathing vapours, spray.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove
contact lenses, if present and easy to do. Continue rinsing.
P312 - Call doctor if you feel unwell.
-

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH 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 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 at a concentration equal to or greater than 0,1 %

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]
xylene substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit (Note C)	CAS-No.: 1330-20-7 EC-No.: 215-535-7 EC Index-No.: 601-022-00-9 REACH-no: 01-2119488216- 32	78 – 86	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315
butan-1-ol; n-butanol substance with national workplace exposure limit(s) (GB)	CAS-No.: 71-36-3 EC-No.: 200-751-6 EC Index-No.: 603-004-00-6 REACH-no: 01-2119484630- 38	14 – 24	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336 STOT SE 3, H335

Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers. 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 general First-aid measures after inhalation	 General information. Refer to section 11. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. If skin irritation continues, consult a doctor.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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First-aid measures after ingestion : If swallowed: rinse mouth. Do NOT induce vomiting. Call a physician immediately.

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

Symptoms/effects after inhalation	:	Vapours may cause drowsiness and dizziness.
Symptoms/effects after skin contact	:	Prolonged or repeated contact may cause skin to become dry.
Symptoms/effects after eye contact	:	May cause eye irritation.

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 Unsuitable extinguishing media	Dry chemical, CO2, alcohol-resistant foam or waterspray.Do not use a heavy water stream.			
5.2. Special hazards arising from the substance or mixture				
Hazardous decomposition products in case of fire	: Carbon monoxide. Other toxic gases.			
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 equ	upment and emergency procedures		
6.1.1. For non-emergency personnel			
Protective equipment	: Remove ignition sources. Ensure that there is a suitable ventilation system. Avoid any direct or indirect contact with ingredients released. Avoid contact with skin and eyes. Use personal protective equipment as required. See Section 8.		
6.1.2. For emergency responders			
Protective equipment	: Do not attempt to take action without suitable protective equipment. See Section 8.		
6.2. Environmental precautions			
Avoid release to the environment. Do not allow to sewage system, even in small quantities.	enter into surface water or drains. Do not allow product to reach ground water, water bodies or		
6.3. Methods and material for containment	nt and cleaning up		
For containment	: Cover spill with non combustible material, e.g.: sand, earth, vermiculite. Mechanically recover the product.		
6.4. Reference to other sections			
Disposal considerations. See Section 13.			
SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Precautions for safe handling	: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Wear personal protective equipment.		
Hygiene measures	: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.		

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Ground/bond container and receiving equipment.
Storage conditions	:	Store in a well-ventilated place. Keep cool. Keep container tightly closed.
Storage temperature	:	5 – 35 °C

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

xylene (1330-20-7)				
EU - Indicative Occupational Exposure Limit (IOEL)				
Local name	Xylene, mixed isomers, pure			
IOEL TWA [ppm]	50 ppm			
IOEL STEL	442 mg/m ³			
IOEL STEL [ppm]	100 ppm			
Remark	Skin			
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC			
United Kingdom - Occupational Exposure Limits				
Local name	Xylene			
WEL TWA (OEL TWA) [1]	220 mg/m ³ o-,m-,p- or mixed isomers			
WEL TWA (OEL TWA) [2]	50 ppm o-,m-,p- or mixed isomers			
WEL STEL (OEL STEL)	441 mg/m ³ o-,m-,p- or mixed isomers			
WEL STEL (OEL STEL) [ppm]	100 ppm o-,m-,p- or mixed isomers			
Remark	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			
United Kingdom - Biological limit values				
Local name	Xylene, o-, m-, p- or mixed isomers			
BMGV	650 mmol/mol Creatinine Parameter: methyl hippuric acid - Medium: urine - Sampling time: Post shift			
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE			
butan-1-ol; n-butanol (71-36-3)				
United Kingdom - Occupational Exposure Limits				
Local name	Butan-1-ol			
WEL STEL (OEL STEL)	154 mg/m ³			
WEL STEL (OEL STEL) [ppm]	50 ppm			
Remark	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			

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8.1.2. Recommended monitoring procedures

Monitoring methods				
0	EN 482. Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents.			

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

xylene (1330-20-7)				
DNEL/DMEL (Workers)				
Acute - systemic effects, inhalation	289 mg/m ³			
Acute - local effects, inhalation	289 mg/m ³			
Long-term - systemic effects, dermal	180 mg/kg bodyweight/day			
Long-term - systemic effects, inhalation	77 mg/m ³			
DNEL/DMEL (General population)				
Acute - systemic effects, inhalation	174 mg/m ³			
Acute - local effects, inhalation	174 mg/m ³			
Long-term - systemic effects,oral	1.6 mg/kg bodyweight/day			
Long-term - systemic effects, inhalation	14.8 mg/m ³			
Long-term - systemic effects, dermal	108 mg/kg bodyweight/day			
PNEC (Water)				
PNEC aqua (freshwater)	0.327 mg/l			
PNEC aqua (marine water)	0.327 mg/l			
PNEC aqua (intermittent, freshwater)	0.327 mg/l			
PNEC (Sediment)				
PNEC sediment (freshwater)	12.46 mg/kg dwt			
PNEC sediment (marine water)	12.46 mg/kg dwt			
PNEC (Soil)				
PNEC soil	2.31 mg/kg dwt			
PNEC (STP)				
PNEC sewage treatment plant	6.58 mg/l			
butan-1-ol; n-butanol (71-36-3)				
DNEL/DMEL (Workers)				
Long-term - local effects, inhalation	310 mg/m ³			
DNEL/DMEL (General population)				
Long-term - systemic effects,oral	3.125 mg/kg bodyweight/day			
Long-term - local effects, inhalation	55 mg/m ³			
PNEC (Water)				
PNEC aqua (freshwater)	0.082 mg/l			
PNEC aqua (marine water)	0.0082 mg/l			
PNEC aqua (intermittent, freshwater)	2.25 mg/l			

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butan-1-ol; n-butanol (71-36-3)		
PNEC (Sediment)		
PNEC sediment (freshwater)	0.178 mg/kg dwt	
PNEC sediment (marine water)	0.0178 mg/kg dwt	
PNEC (Soil)		
PNEC soil	0.015 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	2476 mg/l	

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

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Viton® II	6 (> 480 minutes)	0,7 mm		EN 374-3
Disposable gloves	Nitrile rubber (NBR)	2 (> 30 minutes)	0,4 mm		EN 374-3

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Respiratory protection			
Device	Filter type	Condition	Standard
Gas mask with filter type	Filter A1/B1		EN 14387

8.2.2.4. Thermal hazards

No additional information available

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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	: Colourless.
Odour	: characteristic.
Odour threshold	: 0.9 – 9 mg/m ³ Xylene
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: 117 – 140 °C
Flammability	: Not applicable
Explosive properties	: No data available.
Explosive limits	: Not available
Lower explosion limit	: 1.1 vol % Xylene
Upper explosion limit	: 8 vol % Xylene
Flash point	: 24 °C
Auto-ignition temperature	: 440 °C
Decomposition temperature	: Not available
рН	: Not available
Viscosity, kinematic	: Not available
Solubility	: Slightly soluble.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 9 hPa Xylene
Vapour pressure at 50°C	: Not available
Density	: ≈ 0.85 g/cm³
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

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 of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from sources of ignition. Prevent build-up of electrostatic charges (e.g, by grounding). Protect from sunlight. Avoid high temperatures.

10.5. Incompatible materials

No contact with: strong acids, strong bases and strong oxidants.

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10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition may produce : Carbon monoxide. Other toxic gases.

SECTION 11: Toxicological information

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

Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	 Not classified (Based on available data, the classification criteria are not met) Harmful in contact with skin. Harmful if inhaled.
ARMORTHIN EP 20-01	
ATE CLP (dermal)	1279.07 mg/kg bodyweight
ATE CLP (dust,mist)	1.744 mg/l/4h
xylene (1330-20-7)	
LD50 oral rat	3523 mg/kg rat
LD50 dermal rabbit	12126 mg/kg bodyweight Animal: rabbit, Animal sex: male
LC50 Inhalation - Rat	27124 mg/l
butan-1-ol; n-butanol (71-36-3)	
LD50 oral rat	2292 mg/kg Source: ECHA
LD50 dermal rabbit	3430 mg/kg Source: ECHA
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure butan-1-ol; n-butanol (71-36-3) STOT-single exposure STOT-repeated exposure xylene (1330-20-7) LOAEL (oral, rat, 90 days)	 Causes skin irritation. Causes serious eye damage. Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) May cause drowsiness or dizziness. May cause respiratory irritation. May cause drowsiness or dizziness. May cause respiratory irritation. Isot classified (Based on available data, the classification criteria are not met) May cause drowsiness or dizziness. May cause respiratory irritation. Isot classified (Based on available data, the classification criteria are not met) Isot classified (Based on available data, the classification criteria are not met) Isot classified (Based on available data, the classification criteria are not met) Isot classified (Based on available data, the classification criteria are not met) Isot classified (Based on available data, the classification criteria are not met) Isot classified (Based on available data, the classification criteria are not met) Isot classified (Based on available data, the classification criteria are not met) Isot classified (Based on available data, the classification criteria are not met) Isot classified (Based on available data, the classification criteria are not met) Isot classified (Based on available data, the classification criteria are not met) Isot classified (Based on available data, the classification criteria are not met) Isot classified (Based on available data, the classification criteria a
butan-1-ol; n-butanol (71-36-3)	
LOAEL (oral, rat, 90 days)	500 mg/kg bodyweight Animal: rat
NOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
butan-1-ol; n-butanol (71-36-3)	
Viscosity, kinematic	3.641 mm²/s

11.2. Information on other hazards

No additional information available

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SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term	: Not classified (Based on available data, the classification criteria are not met)
(acute) Hazardous to the aquatic environment, long-term	: Not classified (Based on available data, the classification criteria are not met)
(chronic)	
Not rapidly degradable	

xvlene (1330-20-7)

xylene (1550-20-7)		
LC50 - Fish [1]	2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)	
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia	
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'	
butan-1-ol; n-butanol (71-36-3)		
LC50 - Fish [1]	1376 mg/l Source: ECHA	
EC50 - Crustacea [1]	1983 mg/l Source: ECHA	
EC50 96h - Algae [1]	225 mg/l Source: ECHA	
NOEC (chronic)	4.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

butan-1-ol; n-butanol (71-36-3)	
Partition coefficient n-octanol/water (Log Pow)	0.9 Source: HSDB

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

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

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.
Sewage disposal recommendations	: Do not discharge into drains.
Product/Packaging disposal recommendations	: This material and its container must be disposed of as hazardous waste. Do not dispose of with domestic waste. After cleaning, recycle or dispose of at an authorised site.
Additional information	: Flammable vapours may accumulate in the container.
European List of Waste (LoW) code	 07 01 04* - other organic solvents, washing liquids and mother liquors 15 01 10* - packaging containing residues of or contaminated by dangerous substances

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SECTION 14: Transport information

ADR	IMDG	ΙΑΤΑ
14.1. UN number or ID number	· · · ·	
UN 1263	UN 1263	UN 1263
14.2. UN proper shipping name	· · · · ·	
PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	Paint related material
Transport document description	· · · · ·	
UN 1263 PAINT RELATED MATERIAL, 3, III, (D/E)	UN 1263 PAINT RELATED MATERIAL, 3, III (24°C c.c.)	UN 1263 Paint related material, 3, III
14.3. Transport hazard class(es)	· · · · ·	
3	3	3
3		
14.4. Packing group	•	
111	III	III
14.5. Environmental hazards	• • • • •	
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available		

14.6. Special precautions for user

Overland transport	
Classification code (ADR)	: F1
Limited quantities (ADR)	: 51
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Tunnel restriction code (ADR)	: D/E
EAC code	: •3Y
Transport by sea	
Special provisions (IMDG)	: 163, 223, 367, 955
Limited quantities (IMDG)	: 5L
Special packing provisions (IMDG)	: PP1
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: A

Air transport

No data available

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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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)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

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

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

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

SECTION 16: Other information

Indication of changes:

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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	

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

Data sources

: ECHA (European Chemicals Agency).

Training advice

: Handle in accordance with good industrial hygiene and safety procedures.

Full text of H- and EUH-statements:		
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Flam. Liq. 3	Flammable liquids, Category 3	
H226	Flammable liquid and vapour.	
H302	Harmful if swallowed.	
H312	Harmful in contact with skin.	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	

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Full text of H- and EUH-statements:		
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
H336	May cause drowsiness or dizziness.	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis	

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:				
Flam. Liq. 3	H226	On basis of test data		
Acute Tox. 4 (Dermal)	H312	Calculation method		
Acute Tox. 4 (Inhalation:dust,mist)	H332	Calculation method		
Skin Irrit. 2	H315	Calculation method		
Eye Dam. 1	H318	Calculation method		
STOT SE 3	H336	Calculation method		
STOT SE 3	H335	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.