

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 10/28/2022 Revision date: 10/15/2024 Supersedes version of: 10/28/2022 Version: 2.0

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

1.1. Product identifier

Product form	: Substance
Substance name	: Allyl amyl glycolate
IUPAC name	: Allyl (3-methylbutoxy)acetate
EC-No.	: 266-803-5
CAS-No.	: 67634-00-8
REACH registration No.	: 01-2120794630-50
Product code	: 23195
Product group	: Trade product

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

1.2.1. Relevant identified uses

Intended for general public Main use category Use of the substance/mixture

: Professional use,Consumer use : Fragrance raw material

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

De Hekserij Spoorstraat 57 8271 RG IJsselmuiden Nederland www.hekserij.nl

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

Classification according to Regulation (EC) No. 1272/2008	[CLP]
Acute toxicity (oral), Category 4	H302
Acute toxicity (dermal), Category 4	H312
Acute toxicity (inhalation:dust,mist) Category 2	H330
Specific target organ toxicity - Repeated exposure, Category 2	2 H373
Hazardous to the aquatic environment – Acute Hazard,	H400
Category 1	
Full toxt of H and FLIH statements: see section 16	

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

Adverse physicochemical, human health and environmental effects

May cause damage to organs through prolonged or repeated exposure. Fatal if inhaled. Harmful in contact with skin. Harmful if swallowed. Very toxic to aquatic life.

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

Safety Data Sheet

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

Hazard statements (CLP)	 H302+H312 - Harmful if swallowed or in contact with skin. H330 - Fatal if inhaled. H373 - May cause damage to organs through prolonged or repeated exposure. H400 - Very toxic to aquatic life.
Precautionary statements (CLP) EUH-statements	 P260 - Do not breathe vapours, mist, spray, fume. P264 - Wash hands thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves, protective clothing, face protection. P301+P312 - IF SWALLOWED: Call doctor, a POISON CENTER if you feel unwell. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310 - Immediately call a doctor, a POISON CENTER. P362+P364 - Take off contaminated clothing and wash it before reuse. P391 - Collect spillage. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up. P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. EUH208 - Contains Tocopherol (Vitamin E). May produce an allergic reaction.
2.3 Other hazards	

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type

: Mono-constituent

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Allyl amyl glycolate	CAS-No.: 67634-00-8 EC-No.: 266-803-5 REACH-no: 01-2120794630- 50	100	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 2 (Inhalation:dust,mist), H330 STOT RE 2, H373 Aquatic Acute 1, H400
Tocopherol (Vitamin E)	CAS-No.: 10191-41-0 EC-No.: 233-466-0 REACH-no: 01-2120086658- 39	0.1 – 1	Skin Sens. 1, H317

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

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures	
First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	 Remove person to fresh air and keep comfortable for breathing. Call a physician immediately. Call a doctor.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Rinse mouth. Call a poison center or a doctor if you feel unwell.
First-aid measures for first aider	: First aid workers will be equipped with suitable personal protective equipment.

Safety Data Sheet

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

4.2. Most important symptoms and effects, both acute and delayed		
Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.	
Symptoms/effects after skin contact	: None under normal conditions.	
Symptoms/effects after eye contact	: None under normal conditions.	
Symptoms/effects after ingestion	: None under normal conditions.	

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	Water spray. Dry powder. Foam. Carbon dioxide.Do not use a heavy water stream.		
5.2. Special hazards arising from the substance or mixture			
Fire hazard Explosion hazard Hazardous decomposition products in case of fire	 No fire hazard. No direct explosion hazard. Toxic fumes may be released. 		
5.3. Advice for firefighters			
Firefighting instructions Protection during firefighting	 Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. 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 eq	uinment and emergency procedures	
o. 1. 1 ersonar precadions, protective eq	apment and emergency procedures	
General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.	
6.1.1. For non-emergency personnel		
Protective equipment	: Wear recommended personal protective equipment.	
Emergency procedures	: Do not breathe dust/fume/gas/mist/vapours/spray. Only qualified personnel equipped with suitable protective equipment may intervene.	
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".	
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.	
6.2. Environmental precautions		
Avoid release to the environment.		

6.3. Methods and material for containment and cleaning up		
For containment	: Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.	
Methods for cleaning up	: Take up liquid spill into absorbent material.	
Other information	: Dispose of materials or solid residues at an authorized site.	
6.4. Reference to other sections		

For further information refer to section 13.

Safety Data Sheet

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

SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Additional hazards when processed Precautions for safe handling Hygiene measures	 Not expected to present a significant hazard under anticipated conditions of normal use. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Do not get in eyes, on skin, or on clothing. Wear personal protective equipment. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. 		
7.2. Conditions for safe storage, includi	7.2. Conditions for safe storage, including any incompatibilities		
Technical measures Storage conditions Packaging materials	 Keep in a cool, well-ventilated place away from heat. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store always product in container of same material as original container. 		
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

No additional information available

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

Allyl amyl glycolate (67634-00-8)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	1.4 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	4.93 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	0.5 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	0.87 mg/m³	
Long-term - systemic effects, dermal	0.5 mg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	0.77 μg/l	
PNEC aqua (marine water)	77 ng/l	
PNEC aqua (intermittent, freshwater)	7.7 µg/l	
PNEC aqua (intermittent, marine water)	0.77 μg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	8.93 µg/kg dw	
PNEC sediment (marine water)	0.893 µg/kg dw	
PNEC (Soil)		
PNEC soil	1.33 µg/kg dw	

Safety Data Sheet

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

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:

Wear recommended personal protective 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 inadequate ventilation] wear respiratory protection.

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	: No data available
Odour	: No data available
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: ≈ 201 °C Atm. press.: 760 mm Hg
Flash point	: ≈ 88 °C Atm. press.: 101325 Pa
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: ≈ 19.7 Pa Temp.: 25 °C
Relative vapour density at 20°C	: No data available
Relative density	: 0.9391
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: 2.72

Safety Data Sheet

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

Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

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.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information	
11.1 Information on toxicological effects	
Acute toxicity (oral):Acute toxicity (dermal):Acute toxicity (inhalation):	Harmful if swallowed. Harmful in contact with skin. Inhalation:dust,mist: Fatal if inhaled.
Allyl amyl glycolate (67634-00-8)	
LD50 oral rat	500 mg/kg bodyweight Species : Rat OECD Guideline 423 (Acute Oral toxicityAcute Toxic Class Method)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	1100 mg/kg bodyweight Animal: rabbit
LC50 Inhalation - Rat	0.46 mg/l OECD Guideline 403 (Acute Inhalation Toxicity)
Tocopherol (Vitamin E) (10191-41-0)	
LD50 oral rat	> 4000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 3000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
Skin corrosion/irritation :	Not classified.
Tocopherol (Vitamin E) (10191-41-0)	
рН	5-9

Safety Data Sheet

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

Serious eye damage/irritation	Not classified
Tocopherol (Vitamin E) (10191-41-0)	
рН	5-9
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Allyl amyl glycolate (67634-00-8)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Tocopherol (Vitamin E) (10191-41-0)	
NOAEL (oral, rat, 90 days)	2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28- Day Oral Toxicity Study in Rodents)
Aspiration hazard :	Not classified

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term : (acute) Hazardous to the aquatic environment, long-term :	Very toxic to aquatic life. Very toxic to aquatic life. Not classified.
(chronic)	
Allyl amyl glycolate (67634-00-8)	
LC50 - Fish [1]	≈ 0.768 mg/l Test organisms (species):
EC50 96h - Algae [1]	≈ 2.06 mg/l Test organisms (species):
Tocopherol (Vitamin E) (10191-41-0)	
LC50 - Fish [1]	> 11 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 23.53 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	 > 25.8 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
NOEC chronic fish	> 100 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d'
12.2. Persistence and degradability	
Allyl amyl glycolate (67634-00-8)	
Persistence and degradability	Not rapidly degradable
Allyl amyl glycolate (67634-00-8)	
Persistence and degradability	Not rapidly degradable
Tocopherol (Vitamin E) (10191-41-0)	

Persistence and degradability

Not rapidly degradable

Safety Data Sheet

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

12.3. Bioaccumulative potential		
Allyl amyl glycolate (67634-00-8)		
Partition coefficient n-octanol/water (Log Pow)	2.72	
Tocopherol (Vitamin E) (10191-41-0)		
Partition coefficient n-octanol/water (Log Kow) > 6		
12.4. Mobility in soil		

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations	;
13.1. Waste treatment methods	
Regional waste regulation Waste treatment methods Sewage disposal recommendations Product/Packaging disposal recommendations Additional information	 Disposal must be done according to official regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions. Disposal must be done according to official regulations. Disposal must be done according to official regulations. Do not re-use empty containers.

SECTION 14: Transport information

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

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number	·	·	·	
UN 2810	UN 2810	UN 2810	UN 2810	UN 2810
14.2. UN proper shippin	g name		•	
TOXIC LIQUID, ORGANIC, N.O.S. (Allyl amyl glycolate)	TOXIC LIQUID, ORGANIC, N.O.S. (Allyl amyl glycolate)	Toxic liquid, organic, n.o.s. (Allyl amyl glycolate)	TOXIC LIQUID, ORGANIC, N.O.S. (Allyl amyl glycolate)	TOXIC LIQUID, ORGANIC, N.O.S. (Allyl amyl glycolate)
Transport document descr	iption			
UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (Allyl amyl glycolate), 6.1, II, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (Allyl amyl glycolate), 6.1, II, MARINE POLLUTANT/ENVIRONME NTALLY HAZARDOUS	UN 2810 Toxic liquid, organic, n.o.s. (Allyl amyl glycolate), 6.1, II, ENVIRONMENTALLY HAZARDOUS	UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (Allyl amyl glycolate), 6.1, II, ENVIRONMENTALLY HAZARDOUS	UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (Allyl amyl glycolate), 6.1, II, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard o	class(es)			
6.1	6.1	6.1	6.1	6.1
	× ×	× ×	× ×	× ×

Safety Data Sheet

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

ADR IMDG		ΙΑΤΑ	ADN	RID
14.4. Packing group				
11 11		II	II	II
14.5. Environmental hazards		I	I	1
Dangerous for the Dangerous for environment: Yes environment Marine polluta	Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available		-	-	1
14.6. Special precautions for user				
Overland transport				
Classification code (ADR)	: T1			
Special provisions (ADR)	: 27	4, 614		
_imited quantities (ADR)	: 10	Dml		
Excepted quantities (ADR)	: E4			
Packing instructions (ADR)	: P0	01, IBC02		
Mixed packing provisions (ADR)	: MF			
Portable tank and bulk container instructions (AI				
Portable tank and bulk container special provisio (ADR)		2, TP27		
Γank code (ADR)	: L4	BH		
Fank special provisions (ADR)		15, TE19		
/ehicle for tank carriage	: AT			
ransport category (ADR)	: 2			
Special provisions for carriage - Loading, unload		'13 CV28		
and handling (ADR)		10, 0120		
Special provisions for carriage - Operation (ADR)		, S19		
· · · · · · · · · · · · · · · · · · ·		, 013		
Hazard identification number (Kemler No.)	: 60			
Orange plates		60 2810		
Funnel restriction code (ADR)	: D/I	Ξ		
Transport by sea				
Special provisions (IMDG)	: 27			
imited quantities (IMDG)		0 ml		
Excepted quantities (IMDG)	: E4			
Packing instructions (IMDG)	: P0			
BC packing instructions (IMDG)	: IB(
Fank instructions (IMDG)	: T1	: T11		
Tank special provisions (IMDG)	: TP	2, TP13, TP27		
EmS-No. (Fire)	: F-/	ł		
EmS-No. (Spillage)	: S-/	Ą		
Stowage category (IMDG)	: B			
Stowage and handling (IMDG)	: SV	/2		
Properties and observations (IMDG)		xic if swallowed, by skin conta	ct or by inhalation.	
Air transport				
PCA Excepted quantities (IATA)	: E4			
PCA Limited quantities (IATA)	: Y6	41		
PCA limited quantity max net quantity (IATA)	: 1L			
PCA packing instructions (IATA)	: 65	4		
PCA max net quantity (IATA)	: 5L			
CAO packing instructions (IATA)	: 66	2		
CAO max net quantity (IATA)	: 60	L		
Special provisions (IATA)	: A3	, A4, A137		
ERG code (IATA)	: 6L			

ERG code (IATA)

Safety Data Sheet

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

Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Ventilation (ADN) Number of blue cones/lights (ADN)	: T1 : 274, 614, 802 : 100 ml : E4 : T : PP, EP, TOX, A : VE02 : 2
Rail transport Classification code (RID) Special provisions (RID) Limited quantities (RID) Excepted quantities (RID) Packing instructions (RID) Mixed packing provisions (RID) Portable tank and bulk container instructions (RID) Portable tank and bulk container special provisions (RID)	
Tank codes for RID tanks (RID) Special provisions for RID tanks (RID) Transport category (RID) Special provisions for carriage - Loading, unloading and handling (RID) Colis express (express parcels) (RID) Hazard identification number (RID)	: L4BH : TU15 : 2 : CW13, CW28, CW31 : CE5 : 60

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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	Entry title or description
3(b)	Allyl amyl glycolate ; Tocopherol (Vitamin E)	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	Allyl amyl glycolate	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

Safety Data Sheet

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

Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

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

Netherlands

SZW-lijst van kankerverwekkende stoffen	: Allyl amyl glycolate is listed
SZW-lijst van mutagene stoffen	: Allyl amyl glycolate is listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: The substance is not listed
SZW-lijst van reprotoxische stoffen –	: The substance is not listed
Vruchtbaarheid	
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: The substance is not listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

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	

Safety Data Sheet

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

Abbreviations and acronyms:	
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	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 disruptor

Full text of H- and EUH-statements:	
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
EUH208	Contains Tocopherol (Vitamin E). May produce an allergic reaction.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H317	May cause an allergic skin reaction.
H330	Fatal if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2

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.