

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 03/03/2018 Revision date: :

Version: 1.0

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

1.1. Product identifier	
Product form	: Mixture
Product name	: Acetaldehyde/Ethyl Butyrate Mix
Product code	: AL0-130271
Product group	: Trade product
1.2. Relevant identified uses of the su	ubstance or mixture and uses advised against
1.2.1. Relevant identified uses	
Main use category	: Laboratory Use
Industrial/Professional use spec	: Industrial For professional use only
Use of the substance/mixture	: Certified reference material for laboratory use only
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the safe	ty data sheet
Phenova 6390 Joyce Dr. Suite 100 80403 Golden, CO - United States T 1-866-942-2978 - F 1-866-283-0269 info@phenova.com	
1.4. Emergency telephone number	
Emergency number	: ChemTel Assistance (US/Canada) 1-800-255-3924 ChemTel Assistance (International) +1 813-248-0585
SECTION 2: Hazards identification	
	r mixture
2.1. Classification of the substance o	
Classification according to Regulation (EC	
Classification according to Regulation (EC	;) No. 1272/2008 [CLP]
Classification according to Regulation (EC Flam. Liq. 1 Acute Tox. 3 (Oral)	;) No. 1272/2008 [CLP] H224
2.1. Classification of the substance o Classification according to Regulation (EC Flam. Liq. 1 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Carc. 2	;) No. 1272/2008 [CLP] H224 H301

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc.Cat.3; R40 F+; R12 T; R23/24/25 T; R39/23/24/25 Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) :



Signal word (CLP)

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Hazardous ingredients	: acetaldehyde; methanol
Hazard statements (CLP)	 H224 - Extremely flammable liquid and vapor H301+H311 - Toxic if swallowed or in contact with skin H351 - Suspected of causing cancer H370 - Causes damage to organs
Precautionary statements (CLP)	 P233 - Keep container tightly closed P260 - Do not breathe dust/fume/gas/mist/vapors/spray P270 - Do not eat, drink or smoke when using this product P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water P308+P313 - IF exposed or concerned: Get medical advice/attention P361+P364 - Take off immediately all contaminated clothing and wash it before reuse P370+P378 - In case of fire: Use media other than water to extinguish P403+P235 - Store in a well-ventilated place. Keep cool P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

No labeling applicable

2.3. Other hazards

No additional information available

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]
methanol (Component)	(CAS No) 67-56-1 (EC-No.) 200-659-6 (EC index no) 603-001-00-X	88	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370
acetaldehyde (Component)	(CAS No) 75-07-0 (EC-No.) 200-836-8 (EC index no) 605-003-00-6	1	Flam. Liq. 1, H224 Carc. 2, H351 Eye Irrit. 2, H319 STOT SE 3, H335
Name	Product identifier	Specific of	concentration limits
methanol (Component)	(CAS No) 67-56-1 (EC-No.) 200-659-6 (EC index no) 603-001-00-X		0) STOT SE 2, H371 STOT SE 1, H370

SECTION 4: First aid measures

4.1. Description of first aid measures	
First-aid measures general	 Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician. IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	 Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Immediately call a poison center or doctor/physician. Wash with plenty of soap and water. Wash contaminated clothing before reuse.
First-aid measures after eye contact	 Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Immediately call a poison center or doctor/physician.
4.2. Most important symptoms and ef	ects, both acute and delayed
Symptoms/effects after skin contact	 Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
Symptoms/effects after ingestion	: Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.
4.3. Indication of any immediate medi	cal attention and special treatment needed
No additional information available	

SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

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Unsuitable extinguishing	g media	: Do not use a heavy water stream.	
5.2. Special haza	rds arising from the sub	ostance or mixture	
Fire hazard		: Extremely flammable liquid and vapor	
Explosion hazard		: May form flammable/explosive vapor-	air mixture.
5.3. Advice for fir	efighters		
Firefighting instructions		: Use water spray or fog for cooling exp chemical fire. Prevent fire-fighting wat	posed containers. Exercise caution when fighting any ter from entering environment.
Protection during firefigh	-		protective equipment, including respiratory protection.
	lental release meas		
		uipment and emergency procedures	
	rgency personnel		
Emergency procedures		: Evacuate unnecessary personnel.	
6.1.2. For emergen	cy responders		
Protective equipment			ction. Avoid breathing dust/fume/gas/mist/vapors/spray.
Emergency procedures		: Ventilate area.	
	al precautions		
Prevent entry to sewers	and public waters. Notify	authorities if liquid enters sewers or publ	lic waters.
6.3. Methods and	material for containme	nt and cleaning up	
Methods for cleaning up)	: Take up in absorbent material. Collec	t spillage.
6.4. Reference to	other sections		
See Heading 8. Exposu	re controls and personal	protection.	
SECTION 7: Hand	ling and storage		
7.1. Precautions	for safe handling		
Additional hazards when	n processed	: Handle empty containers with care be	ecause residual vapors are flammable.
Precautions for safe har	ndling	smoking and when leaving work. Prov of vapor. No open flames. No smoking	s with mild soap and water before eating, drinking or vide good ventilation in process area to prevent formation g. Take precautionary measures against static discharge. special instructions before use. Do not handle until all nd understood.
Hygiene measures			g this product. Gently wash with plenty of soap and water taminated clothing. Wash contaminated clothing before
7.2. Conditions for	or safe storage, includir	ng any incompatibilities	
Technical measures		: Ground/bond container and receiving	equipment.
Storage conditions		: Keep in fireproof place. Keep containe well-ventilated place. Keep away from	er tightly closed. Keep container tightly closed and in a n any flames or sparking source.
Incompatible materials		: Direct sunlight. Heat sources.	
7.3. Specific end	use(s)		
No additional information	n available		
SECTION 8: Expos	sure controls/perse	onal protection	
8.1. Control para	meters		
acetaldehyde (75-07-			
Belgium	Limit value (mg	/m³)	46 mg/m ³ (Aldéhyde acétique; Belgium; Time- weighted average exposure limit 8 h)
Belgium	Limit value (ppr	m)	25 ppm (Aldéhyde acétique; Belgium; Time-weighted average exposure limit 8 h)
France	VME (mg/m³)		180 mg/m³ (Aldéhyde acétique; France; Time- weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
France	VME (ppm)		100 ppm (Aldéhyde acétique; France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
Italy Danty al LICA		(25 ppm (Apotoldobudou LICA: Momentary violues TLV

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acetaldehyde (75-07-0)		
Netherlands	Grenswaarde TGG 8H (ppm)	20 ppm (Acetaldehyde; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	92 mg/m ³ (Acetaldehyde; Netherlands; Short time value; Public occupational exposure limit value)
Netherlands	Grenswaarde TGG 15MIN (ppm)	50 ppm (Acetaldehyde; Netherlands; Short time value; Public occupational exposure limit value)
United Kingdom	WEL TWA (mg/m ³)	37 mg/m ³ Acetaldehyde; United Kingdom; Time- weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
United Kingdom	WEL TWA (ppm)	20 ppm Acetaldehyde; United Kingdom; Time- weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
United Kingdom	WEL STEL (mg/m ³)	92 mg/m³ Acetaldehyde; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)
United Kingdom	WEL STEL (ppm)	50 ppm Acetaldehyde; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)
methanol (67-56-1)		
EU	IOELV TWA (mg/m ³)	260 mg/m³ (Methanol; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
EU	IOELV TWA (ppm)	200 ppm (Methanol; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
Belgium	Limit value (mg/m³)	266 mg/m³ (Alcool méthylique; Belgium; Time- weighted average exposure limit 8 h)
Belgium	Limit value (ppm)	200 ppm (Alcool méthylique; Belgium; Time-weighted average exposure limit 8 h)
Belgium	Short time value (mg/m³)	333 mg/m³ (Alcool méthylique; Belgium; Short time value)
Belgium	Short time value (ppm)	250 ppm (Alcool méthylique; Belgium; Short time value)
France	VLE (mg/m ³)	1300 mg/m³ (Methanol; France; Short time value; VL: Valeur non réglementaire indicative)
France	VLE (ppm)	1000 ppm (Methanol; France; Short time value; VL: Valeur non réglementaire indicative)
France	VME (mg/m³)	260 mg/m³ (Methanol; France; Time-weighted average exposure limit 8 h; VRC: Valeur réglementaire contraignante)
France	VME (ppm)	200 ppm (Methanol; France; Time-weighted average exposure limit 8 h; VRC: Valeur réglementaire contraignante)
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	200 ppm (Methanol; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	250 ppm (Methanol; USA; Short time value; TLV - Adopted Value)
Netherlands	Grenswaarde TGG 8H (mg/m³)	133 mg/m³ (Methanol; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)
Netherlands	Grenswaarde TGG 8H (ppm)	100 ppm (Methanol; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)
United Kingdom	WEL TWA (mg/m³)	266 mg/m ³ Methanol; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
United Kingdom	WEL TWA (ppm)	200 ppm Methanol; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
United Kingdom	WEL STEL (mg/m ³)	333 mg/m ³ Methanol; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)
United Kingdom	WEL STEL (ppm)	250 ppm Methanol; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)

8.2. Exposure controls

Appropriate engineering controls

: Either local exhaust or general room ventilation is usually required.

Personal protective equipment	: Avoid all unnecessary exposure. Gloves. Protective clothing. Protective goggles. Safety glasses.
Hand protection	: Wear chemically resistant protective gloves. Wear suitable gloves resistant to chemical penetration.
Eye protection	Chemical goggles or safety glasses. Safety glasses.
Skin and body protection	: Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact.
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
Other information	: Do not eat, drink or smoke during use.
SECTION 9: Physical and chemical	properties
9.1. Information on basic physical and	chemical properties
Physical state	: Liquid
Color	: Colorless.
Odor	: characteristic.
рН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Extremely flammable liquid and vapor
Relative density	: No data available
Solubility	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	/
10.1. Reactivity No additional information available	
10.2. Chemical stability Extremely flammable liquid and vapor. May forr	n flammable/explosive vapor-air mixture.
10.3. Possibility of hazardous reactions	
Not established.	
10.4.Conditions to avoidDirect sunlight. Extremely high or low temperate	ures. Sparks. Heat. Overheating. Open flame.
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition product	S
May release flammable gases.	
SECTION 11: Toxicological informa	tion
11.1. Information on toxicological effects	
Acute toxicity	: Oral: Toxic if swallowed. Dermal: Toxic in contact with skin.
Acetaldehyde/Ethyl Butyrate Mix	
ATE CLP (oral)	113.636 mg/kg body weight
ATE CLP (dermal)	340.909 mg/kg body weight

acetaldehyde (75-07-0)	
LD50 oral rat	661 - 1930 mg/kg (Rat)
LD50 dermal rabbit	3540 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	24 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	13300 ppm/4h (Rat)
methanol (67-56-1)	
LD50 oral rat	> 5000 mg/kg (Rat; BASF test; Literature study; 1187-2769 mg/kg bodyweight; Rat; Weight of evidence)
LD50 dermal rabbit	15800 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	85 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	64000 ppm/4h (Rat; Literature study)
ATE CLP (oral)	100 mg/kg body weight
ATE CLP (dermal)	300 mg/kg body weight
ATE CLP (gases)	700 ppmV/4h
ATE CLP (vapors)	3 mg/l/4h
ATE CLP (dust, mist)	0.5 mg/l/4h
Skin corrosion/irritation	: Not classified
	Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified
	Based on available data, the classification criteria are not met
Respiratory or skin sensitization	: Not classified
	Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
0	Based on available data, the classification criteria are not met
Carcinogenicity	: Suspected of causing cancer.
	May cause cancer
Reproductive toxicity	: Not classified
	Based on available data, the classification criteria are not met
Specific target organ toxicity – single exposure	: Causes damage to organs.
Specific target organ toxicity – repeated	: Not classified
exposure	Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
	Based on available data, the classification criteria are not met
Potential Adverse human health effects and	: Toxic if swallowed. Toxic in contact with skin.
symptoms	

SECTION 12: Ecological information

12.1. Toxicity	
acetaldehyde (75-07-0)	
EC50 Daphnia 1	48.3 mg/l (EC50; 48 h)
LC50 fish 2	30.8 mg/l (LC50; 96 h; Pimephales promelas)
Threshold limit algae 1	237 mg/l (EC50; 120 h)
methanol (67-56-1)	
LC50 fish 1	15400 mg/l (LC50; EPA 660/3 - 75/009; 96 h; Lepomis macrochirus; Flow-through system; Fresh water; Experimental value)
EC50 Daphnia 1	> 10000 mg/l (EC50; DIN 38412-11; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
LC50 fish 2	10800 mg/l (LC50; 96 h; Salmo gairdneri)

12.2. Persistence and degradability

Acetaldehyde/Ethyl Butyrate Mix	
Persistence and degradability	Not established.
acetaldehyde (75-07-0)	
Persistence and degradability	Readily biodegradable in water. Photodegradation in the air.
Biochemical oxygen demand (BOD)	1.27 g O ₂ /g substance
ThOD	1.82 g O ₂ /g substance
BOD (% of ThOD)	0.7

methanol (67-56-1)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.
Biochemical oxygen demand (BOD)	0.6 - 1.12 g O ₂ /g substance
Chemical oxygen demand (COD)	1.42 g O ₂ /g substance
ThOD	1.5 g O ₂ /g substance
BOD (% of ThOD)	0.8 (Literature study)
12.3. Bioaccumulative potential	
Acetaldehyde/Ethyl Butyrate Mix	
Bioaccumulative potential	Not established.
acetaldehyde (75-07-0)	
Log Pow	0.5 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
methanol (67-56-1)	
BCF fish 1	< 10 (BCF; 72 h; Leuciscus idus)
Log Pow	-0.77 (Experimental value; Other)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
12.4. Mobility in soil	
acetaldehyde (75-07-0)	
Surface tension	0.021 N/m (20 °C)
methanol (67-56-1)	
Surface tension	0.023 N/m (20 °C)
Log Koc	Koc,PCKOCWIN v1.66; 1; Calculated value
12.5. Results of PBT and vPvB assessmen	t
No additional information available	
12.6. Other adverse effects	
Additional information	: Avoid release to the environment
SECTION 13: Disposal considerations	S
13.1. Waste treatment methods	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Handle empty containers with care because residual vapors are flammable.
Ecology - waste materials	: Avoid release to the environment. Hazardous waste due to toxicity.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / AD	N
14.1. UN number	
UN-No. (ADR)	: 1992
UN-No. (IATA)	: 1992
UN-No. (IMDG)	: 1992
UN-No. (ADN)	: 1992
	. 1002
14.2. UN proper shipping name	
	: FLAMMABLE LIQUID, TOXIC, N.O.S.
Proper Shipping Name (IATA)	: Flammable liquid, toxic, n.o.s.
Proper Shipping Name (IMDG)	: FLAMMABLE LIQUID, TOXIC, N.O.S.
Proper Shipping Name (ADN)	
Transport doormant doorminting (ADD)	FLAMMABLE LIQUID, TOXIC, N.O.S.
Transport document description (ADR)	: FLAMMABLE LIQUID, TOXIC, N.O.S. : UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S., 3 (6.1), I, (C/E)
Transport document description (ADR) 14.3. Packing group	
14.3. Packing group	: UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S., 3 (6.1), I, (C/E)
14.3. Packing group Class (ADR)	: UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S., 3 (6.1), I, (C/E) : 3
14.3. Packing group Class (ADR) Classification code (ADR)	: UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S., 3 (6.1), I, (C/E) : 3 : FT1
14.3. Packing group Class (ADR) Classification code (ADR) Class (IATA) Class (IATA)	 : UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S., 3 (6.1), I, (C/E) : 3 : FT1 : 3
14.3. Packing group Class (ADR) Classification code (ADR) Class (IATA) Class (IMDG)	 : UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S., 3 (6.1), I, (C/E) : 3 : FT1 : 3 : 3
14.3. Packing group Class (ADR) Classification code (ADR) Class (IATA) Class (IMDG) Class (ADN) Class (ADN)	 UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S., 3 (6.1), I, (C/E) 3 FT1 3 3 3
14.3. Packing group Class (ADR) Classification code (ADR) Class (IATA) Class (IMDG) Class (ADN) Classification code (ADN)	 UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S., 3 (6.1), I, (C/E) 3 FT1 3 3 3 FT1
14.3.Packing groupClass (ADR)Classification code (ADR)Class (IATA)Class (IMDG)Class (ADN)Classification code (ADN)Subsidiary risks (ADR)	 UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S., 3 (6.1), I, (C/E) 3 FT1 3 3 3 FT1 6.1
14.3.Packing groupClass (ADR)Classification code (ADR)Class (IATA)Class (IMDG)Class (ADN)Classification code (ADN)Subsidiary risks (ADR)	 UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S., 3 (6.1), I, (C/E) 3 FT1 3 3 3 FT1

Hazard labels (ADR)	: 3, 6.1	
	6	
Hazard labels (IATA)	: 3, 6.1	
	6	
Hazard labels (IMDG)	: 3, 6.1	
	6	
Hazard labels (ADN)	: 3, 6.1	
	6	
14.4. Packing group		
Packing group (ADR)		
Packing group (IATA) Packing group (IMDG)		
Packing group (ADN)		
14.5. Environmental hazards		
Other information	: No supplementary information available.	
	: No supplementary information available.	
Other information 14.6. Special precautions for user	: No supplementary information available.	
Other information 14.6. Special precautions for user 14.6.1. Overland transport	: No supplementary information available.	
Other information 14.6. Special precautions for user		
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Safety Data Sheet

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

5 5 (-)	5 (
PCA Limited quantities (IATA)	: Forbidden
PCA limited quantity max net quantity (IATA)	: Forbidden
PCA max net quantity (IATA)	: Forbidden
PCA Excepted quantities (IATA)	: E0
Special provision (IATA)	: A3
ERG code (IATA)	: 3HP
14.6.4. Inland waterway transport	
Special provision (ADN)	: 274, 802
Limited quantities (ADN)	: 0
Excepted quantities (ADN)	: E0
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP, EX, TOX, A
Ventilation (ADN)	: VE01, VE02
Number of blue cones/lights (ADN)	: 2
Carriage prohibited (ADN)	: No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 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

Contains no REACH substances with Annex XVII restrictions Contains no REACH candidate substance Contains no REACH Annex XIV substances.

15.1.2. National regulations

Germany

Water hazard class (WGK)

: 3 - strongly hazardous to water

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information	
Data sources	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: None.

PHV SDS EU

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