

# Quecksilber(II)-acetatlösung 5 % (m/V) zur Analyse in Eisessig

Revision date: 08.03.2024

Product code: 33909

Page 1 of 12

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

## 1.1. Product identifier

Quecksilber(II)-acetatlösung 5 % (m/V) zur Analyse in Eisessig

UFI:

## R8W0-R3M4-7000-7X5V

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

## Use of the substance/mixture

Laboratory chemicals

Industrial uses: Uses of substances as such or in preparations at industrial sites

Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

#### Uses advised against

Do not use for private purposes (household).

#### 1.3. Details of the supplier of the safety data sheet

Company name:	AnalytiChem GmbH	
	ACD	
Street:	Stempelstraße 6	
Place:	D-47167 Duisburg	
Telephone:	0203/5194-0	Telefax: 0203/5194-290
E-mail:	info@analytichem.de	
Contact person:	Abteilung Produktsicherheit	Telephone: 0203/5194-107/117
E-mail:	produktsicherheit@analytichem.de	
Internet:	www.analytichem.de	
Responsible Department:	Abteilung Produktsicherheit	
1.4. Emergency telephone	For Hazardous Materials [or Danger	ous Goods] Incidents Spill, Leak, Fire,
number:	•	EC Day or Night Within USA and Canada: anada: +1 703-741-5970 (collect calls

**Further Information** 

This product is a mixture. REACH Registration Number see section 3.

## SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Flam. Liq. 3; H226 Acute Tox. 2; H310 Acute Tox. 3; H301 Acute Tox. 3; H331 Skin Corr. 1A; H314 Eye Dam. 1; H318 STOT RE 2; H373 Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

Danger

## 2.2. Label elements

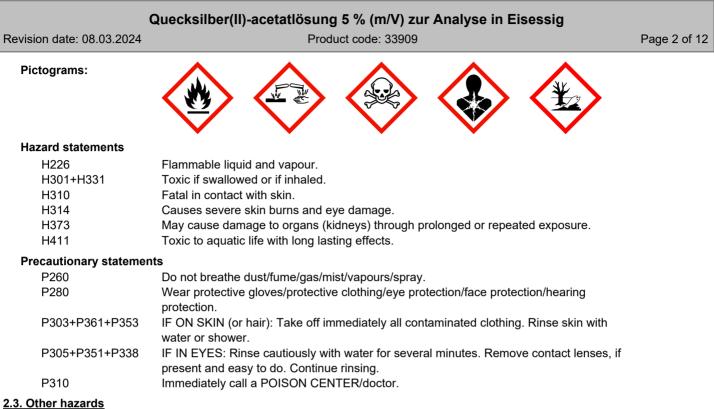
#### Regulation (EC) No 1272/2008

Hazard components for labelling acetic acid 95 % mercury di(acetate)

Signal word:

Revision No: 1,03 - Replaces version: 1,02





#### No data available

## **SECTION 3: Composition/information on ingredients**

## 3.2. Mixtures

#### **Relevant ingredients**

CAS No	Chemical name	Quantity		
	EC No	Index No	Index No REACH No	
	Classification (Regulat			
64-19-7	acetic acid	95 - < 100 %		
	200-580-7	607-002-00-6	01-2119475328-30	
	Flam. Liq. 3, Skin Corr			
1600-27-7	mercury di(acetate)	1 - < 5 %		
	216-491-1	080-004-00-7		
	Acute Tox. 1, Acute To H330 H300 H373 H400			

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

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc	. Limits, M-factors and ATE	
64-19-7	200-580-7	acetic acid	95 - < 100 %
		:50 = 11,4 mg/l (vapours); oral: LD50 = 3310 mg/kg  Skin Corr. 1A; H314: >= 90 - rr. 1B; H314: >= 25 - < 90  Skin Irrit. 2; H315: >= 10 - < 25  Eye Irrit. 2; H319: >=	
1600-27-7	216-491-1	mercury di(acetate)	1 - < 5 %
		E = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: ATE al: ATE = 5 mg/kg_STOT RE 2; H373: >= 0,1 - 100	

#### **Further Information**

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006



AnalytiChem GmbH

according to Regulation (EC) No 1907/2006

## Quecksilber(II)-acetatlösung 5 % (m/V) zur Analyse in Eisessig

Revision date: 08.03.2024

Product code: 33909

Page 3 of 12

(REACH), Article 57 above the respective regulatory concentration limit of = 0.1 % (w/w).

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

#### **General information**

Self-protection of the first aider

#### After inhalation

Provide fresh air.

If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

#### After contact with skin

Wash immediately with: Water Take off immediately all contaminated clothing and wash it before reuse. Call a physician immediately.

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Protect uninjured eye.

#### After ingestion

Rinse mouth immediately and drink plenty of water. Call a physician immediately.

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

Irritant, Vomiting, Cardiac arrhythmias Gastrointestinal complaints, Abdominal pain Blood pressure drop, Circulatory collapse, corrosive Cough, Dyspnoea

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

No data available

#### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

#### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

#### Unsuitable extinguishing media

no restriction

#### 5.2. Special hazards arising from the substance or mixture

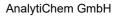
Combustible liquids Vapours are heavier than air, spread along floors and form explosive mixtures with air. Hazardous combustion products In case of fire may be liberated: mercury and its compounds Acetic acid-Vapour

#### 5.3. Advice for firefighters

Do not inhale explosion and combustion gases. Avoid contact with skin, eyes and clothes. In case of fire: Wear self-contained breathing apparatus.

## Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Move undamaged containers from immediate hazard area if it can be done safely.





# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Quecksilber(II)-acetatlösung 5 % (m/V) zur Analyse in Eisessig

Revision date: 08.03.2024

Product code: 33909

Page 4 of 12

Use water spray jet to protect personnel and to cool endangered containers.

### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

#### General advice

Keep away from sources of ignition - No smoking.

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

Take action to prevent static discharges.

Do not breathe vapour/aerosol.

#### For non-emergency personnel

Provide adequate ventilation. Use personal protection equipment. Avoid contact with skin, eyes and clothes. Remove persons to safety. Emergency procedures Do not breathe dust/fume/gas/mist/vapours/spray.

#### For emergency responders

Precautionary statements For emergency responders : Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

## 6.3. Methods and material for containment and cleaning up

## For containment

Cover drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Collect in closed and suitable containers for disposal. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

#### For cleaning up

Clean contaminated articles and floor according to the environmental legislation.

# Other information

Provide adequate ventilation. Do not breathe dust/fume/gas/mist/vapours/spray. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

## 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

#### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid exposure - obtain special instructions before use. Read label before use. Handle and open container with care. Do not breathe vapour/aerosol. When using do not eat, drink, smoke, sniff. Keep container tightly closed. Use personal protection equipment. Use extractor hood (laboratory). Provide adequate ventilation. Avoid contact with skin, eyes and clothes.

#### Advice on protection against fire and explosion

Take precautionary measures against static discharges. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Quecksilber(II)-acetatlösung 5 % (m/V) zur Analyse in Eisessig

Revision date: 08.03.2024

Product code: 33909

Page 5 of 12

## Advice on general occupational hygiene

Keep away from food, drink and animal feedingstuffs. Make available sufficient washing facilities Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

## Further information on handling

Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. Take off immediately all contaminated clothing and wash it before reuse. If handled uncovered, arrangements with local exhaust ventilation have to be used.

## 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Unsuitable container/equipment material: Metal Store in a well-ventilated place. Keep container tightly closed. Store in a place accessible by authorized persons only.

## Further information on storage conditions

Store in a dry place. Protect from sunlight. Keep away from heat.

### 7.3. Specific end use(s)

Laboratory chemicals

## **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

## Occupational exposure limits

CAS No	Substance	ppm	mg/m³	fib/cm³	Category	Origin
64-19-7	Acetic acid	10	25		TWA (8 h)	
		20	50		STEL (15 min)	

## **DNEL/DMEL** values

CAS No	Substance						
DNEL type		Exposure route	Effect	Value			
64-19-7	acetic acid						
Worker DNEL,	long-term	inhalation	local	25 mg/m³			
Worker DNEL,	acute	inhalation	local	25 mg/m³			
Consumer DNE	EL, long-term	inhalation	local	25 mg/m³			
Consumer DNE	EL, acute	inhalation	local	25 mg/m³			



## Quecksilber(II)-acetatlösung 5 % (m/V) zur Analyse in Eisessig

Revision date: 08.03.2024

Product code: 33909

Page 6 of 12

#### **PNEC** values

CAS No	Substance	
Environmen	tal compartment	Value
64-19-7	acetic acid	
Freshwater		3,058 mg/l
Freshwater (intermittent releases)		30,58 mg/l
Marine water		0,306 mg/l
Freshwater sediment		11,36 mg/kg
Marine sediment		1,136 mg/kg
Micro-organisms in sewage treatment plants (STP)		85 mg/l
Soil		0,47 mg/kg

## 8.2. Exposure controls

## Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Do not breathe vapour/aerosol.

### Individual protection measures, such as personal protective equipment

### Eye/face protection

goggles

Wear eye/face protection.

#### Hand protection

Protective gloves are recommended Company KCL GmbH, D-36124 Eichenzell, email: vertrieb@kcl.de With specification (test according to EN374):

By long-term hand contact Recommended glove articles: KCL 897 Butoject® Thickness of the glove material: Butyl caoutchouc (butyl rubber) 0,3 mm Wearing time with permanent contact: > 480 min

By short-term hand contact Recommended glove articles: KCL 890 Vitoject® Thickness of the glove material: FKM (fluoro rubber) 0,7 mm Wearing time with occasional contact (splashes): > 60 min

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types. This recommendation applies only to the product stated in the safety data sheet<(>,<)> supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

## Skin protection

Wear suitable protective clothing. Take off immediately all contaminated clothing.

Wash hands before breaks and after work.

## Respiratory protection

Respiratory protection necessary at: aerosol or mist formation

## **Environmental exposure controls**

Do not allow to enter into surface water or drains. Danger of explosion



# Quecksilber(II)-acetatlösung 5 % (m/V) zur Analyse in Eisessig

Revision date: 08.03.2024

Product code: 33909

Page 7 of 12

# **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

<u>v.</u>	Dhysical state:		
	Physical state:	Liquid	
	Colour:	colourless	
	Odour: Odour threshold:	stinging No data available	
	-	No data avaliable	Ne dete eveileble
	Melting point/freezing point:		No data available
	Boiling point or initial boiling point and		No data available
	boiling range: Flammability:		No data available
	Lower explosion limits:		No data available
	•		
	Upper explosion limits:		No data available
	Flash point:		~40 °C
	Auto-ignition temperature:		No data available
	Decomposition temperature:		No data available
	pH-Value:		<1
	Viscosity / kinematic:		No data available
	Water solubility:		No data available
	Solubility in other solvents		
	No data available		
	Dissolution rate:		No data available
	Partition coefficient n-octanol/water:		No data available
	Dispersion stability:		No data available
	Vapour pressure:		No data available
	Vapour pressure:		No data available
	Density (at 20 °C):		1,0835 g/cm <sup>3</sup>
	Relative density:		No data available
	Bulk density:		No data available
	Relative vapour density:		No data available
	Particle characteristics:		No data available
9.2	2. Other information		
	Information with regard to physical haz	ard classes	
	Explosive properties		
	Vapours can form explosive mixtures	with air.	
	Sustaining combustion:		No data available
	Self-ignition temperature		
	Solid:		No data available
	Gas:		No data available
	Oxidizing properties		
	No data available		
	Other safety characteristics		
	Evaporation rate:		No data available
	Solvent separation test:		No data available
	Solvent content:		No data available
	Solid content:		No data available
	Sublimation point:		No data available
	Softening point:		No data available
	Pour point:		No data available
	No data available:		•• •
	Viscosity / dynamic:		No data available
	Flow time:		No data available



# Quecksilber(II)-acetatlösung 5 % (m/V) zur Analyse in Eisessig

Revision date: 08.03.2024

Product code: 33909

Page 8 of 12

#### **Further Information**

No data available

## **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

Vapours may form explosive mixtures with air. Corrosive to metals.

## 10.2. Chemical stability

No data available

#### 10.3. Possibility of hazardous reactions

Oxidising agent

#### 10.4. Conditions to avoid

Keep away from heat.

## 10.5. Incompatible materials

Metal

## 10.6. Hazardous decomposition products

In case of fire may be liberated:

SECTION 5: Firefighting measures

## Further information

No data available

#### **SECTION 11: Toxicological information**

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

#### Toxicocinetics, metabolism and distribution

Avoid exposure - obtain special instructions before use.

#### Acute toxicity

Fatal in contact with skin. Toxic if swallowed. Toxic if inhaled.

#### **ATEmix calculated**

ATE (oral) 107,5 mg/kg; ATE (dermal) 107,5 mg/kg; ATE (inhalation vapour) 5,660 mg/l; ATE (inhalation dust/mist) 1,075 mg/l

CASNO	Chomical name

CAS NO	Chemical hame								
	Exposure route	Dose		Species	Source	Method			
64-19-7	acetic acid								
	oral	LD50 mg/kg	3310	Rat	J Ind Hyg Toxicol, Vo 23, PP 78-82 (194	The sodium salt of acetic acid was admin			
	inhalation (4 h) vapour	LC50	11,4 mg/l	Rat	Study report (1980)	OECD Guideline 403			
1600-27-7	mercury di(acetate)								
	oral	ATE	5 mg/kg						
	dermal	ATE	5 mg/kg						
	inhalation vapour	ATE	0,5 mg/l						
	inhalation dust/mist	ATE	0,05 mg/l						

#### Irritation and corrosivity

Causes severe skin burns and eye damage. Causes serious eye damage.



## Quecksilber(II)-acetatlösung 5 % (m/V) zur Analyse in Eisessig

Revision date: 08.03.2024

Product code: 33909

Page 9 of 12

#### Sensitising effects

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

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

#### STOT-single exposure

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

#### STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure. (mercury di(acetate))

#### Aspiration hazard

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

## Information on likely routes of exposure

There are no data available on the mixture itself.

#### Specific effects in experiment on an animal

There are no data available on the mixture itself.

#### Additional information on tests

There are no data available on the mixture itself.

#### **Practical experience**

There are no data available on the mixture itself.

#### 11.2. Information on other hazards

#### Endocrine disrupting properties

There are no data available on the mixture itself.

#### Other information

There are no data available on the mixture itself.

#### Further information

Irritant, Vomiting, Cardiac arrhythmias Gastrointestinal complaints, Abdominal pain Blood pressure drop, Circulatory collapse, corrosive Cough, Dyspnoea

## **SECTION 12: Ecological information**

#### 12.1. Toxicity

Toxic to aquatic life with long lasting effects.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h]   [d]	Species	Source	Method
64-19-7	acetic acid						
	Acute fish toxicity	LC50 mg/l	> 1000	96 h	Oncorhynchus mykiss	Study report (2005)	other: SOP E257
	Acute algae toxicity	ErC50 mg/l	> 1000		Skeletonema costatum	Study report (2005)	ISO 10253
	Acute crustacea toxicity	EC50 mg/l	> 1000	48 h	Daphnia magna	Study report (1990)	OECD Guideline 202

#### 12.2. Persistence and degradability

There are no data available on the mixture itself.

## 12.3. Bioaccumulative potential

There are no data available on the mixture itself.

# Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-19-7	acetic acid	-0,17



## Quecksilber(II)-acetatlösung 5 % (m/V) zur Analyse in Eisessig

Revision date: 08.03.2024

Product code: 33909

Page 10 of 12

DU-	г

CAS No	Chemical name	BCF	Species	Source
64-19-7	acetic acid	3,16	fish	Environ. Toxicol. Ch

## 12.4. Mobility in soil

There are no data available on the mixture itself.

## 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

Discharge into the environment must be avoided.

#### Further information

Do not allow to enter into surface water or drains. Danger of explosion

## **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

#### **Disposal recommendations**

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Do not allow to enter into surface water or drains.

Do not mix with other wastes.

Send to a physico-chemical treatment facility under observation of official regulations.

#### Contaminated packaging

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Handle contaminated packages in the same way as the substance itself.

## **SECTION 14: Transport information**

#### Land transport (ADR/RID)

14.1. UN number or ID number:	UN 2927
14.2. UN proper shipping name:	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (acetic acid, mercury
	di(acetate))
14.3. Transport hazard class(es):	6.1
14.4. Packing group:	II
Hazard label:	6.1+8
Classification code:	TC1
Special Provisions:	274
Limited quantity:	100 mL
Excepted quantity:	E4
Transport category:	2
Hazard No:	68
Tunnel restriction code:	D/E
Inland waterways transport (ADN)	
14.1. UN number or ID number:	UN 2927
14.2. UN proper shipping name:	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (acetic acid, mercury
	di(acetate))
14.3. Transport hazard class(es):	6.1
14.4. Packing group:	ll
Hazard label:	6.1+8



Quecksilber(II)-acetatlösung 5 % (m/V) zur Analyse in Eisessig			
Revision date: 08.03.2024	Product code: 33909	Page 11 of 12	
Classification code:	TC1		
Special Provisions:	274 802		
Limited quantity:	100 mL		
Excepted quantity:	E4		
Marine transport (IMDG)			
14.1. UN number or ID number:	UN 2927		
14.2. UN proper shipping name:	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (acetic acid, mercur di(acetate))	У	
14.3. Transport hazard class(es):	6.1		
14.4. Packing group:	II		
Hazard label:	6.1+8		
Special Provisions:	274		
Limited quantity:	100 mL		
Excepted quantity:	E4		
EmS:	F-A, S-B		
Air transport (ICAO-TI/IATA-DGR)			
<u>14.1. UN number or ID number:</u>	UN 2927		
14.2. UN proper shipping name:	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (acetic acid, mercur	У	
	di(acetate))		
14.3. Transport hazard class(es):	6.1		
14.4. Packing group:			
Hazard label:	6.1+8		
Special Provisions: Limited quantity Passenger:	A4 A137 0.5 L		
Passenger LQ:	0.5 L Y640		
Excepted quantity:	E4		
IATA-packing instructions - Passenger:	653		
IATA-max. quantity - Passenger:	1 L		
IATA-packing instructions - Cargo:	660		
IATA-max. quantity - Cargo:	30 L		
14.5. Environmental hazards			
ENVIRONMENTALLY HAZARDOUS:	Yes		
Danger releasing substance:	mercury di(acetate)		
SECTION 15: Regulatory information			
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture			
EU regulatory information			

SECTION 16: Other information		
Water hazard class (D):	3 - highly hazardous to water	
	work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.	
Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile	
National regulatory information		
2012/18/EU (SEVESO III): Additional information:	P5c, E2	
Entry 3, Entry 18, Entry 40 Information according to Directive	H2 ACUTE TOXIC	
Restrictions on use (REACH, annex XVII):		



## Quecksilber(II)-acetatlösung 5 % (m/V) zur Analyse in Eisessig

Revision date: 08.03.2024

Product code: 33909

Page 12 of 12

### Changes

This data sheet contains changes from the previous version in section(s): 15.

# Abbreviations and acronyms

Flam. Liq: Flammable liquid Acute Tox: Acute toxicity Skin Corr: Skin corrosion Eye Dam: Eye damage STOT RE: Specific target organ toxicity - repeated exposure Aquatic Acute: Acute aquatic hazard Aquatic Chronic: Chronic aquatic hazard

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Acute Tox. 2; H310	Calculation method
Acute Tox. 3; H301	Calculation method
Acute Tox. 3; H331	Calculation method
Skin Corr. 1A; H314	Calculation method
Eye Dam. 1; H318	Calculation method
STOT RE 2; H373	Calculation method
Aquatic Chronic 2; H411	Calculation method

#### Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H300	Fatal if swallowed.
H301	Toxic if swallowed.
H301+H331	Toxic if swallowed or if inhaled.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H373	May cause damage to organs (kidneys) through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

#### **Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

Revision No: 1,03 - Replaces version: 1,02