

#### Methyl isobutyl ketone (MIBK) / ethanol (denatured) mixture for analysis mixed 1 : 1 volumetrically Revision date: 16.10.2023 Product code: 19504 Page 1 of 14 SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. Product identifier Methyl isobutyl ketone (MIBK) / ethanol (denatured) mixture for analysis mixed 1 : 1 volumetrically 1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture Laboratory chemical 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 Street: Stempelstraße 6 Place: D-47167 Duisburg Telephone: 0203/5194-0 Telefax: 0203/5194-290 info@analytichem.de E-mail: Abteilung Produktsicherheit Contact person: Telephone: 0203/5194-107/117 produktsicherheit@analytichem.de E-mail: www.analytichem.de Internet: Abteilung Produktsicherheit Responsible Department: 1.4. Emergency telephone For Hazardous Materials [or Dangerous Goods] Incidents Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: number: 1-800-424-9300 Outside USA and Canada: +1 703-741-5970 (collect calls accepted) **Further Information** inapplicable, this product is a mixture REACH registration number see section 3

## SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

#### GB CLP Regulation

Flam. Liq. 2; H225 Eye Irrit. 2; H319 Carc. 2; H351 STOT SE 3; H336

Full text of hazard statements: see SECTION 16.

#### 2.2. Label elements

#### **GB CLP Regulation**

Hazard components for labelling 4-methylpentan-2-one

Signal word: Danger

## Pictograms:





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## Hazard statements

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.

### **Precautionary statements**

countering statement	13
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P403+P235	Store in a well-ventilated place. Keep cool.

## Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

## 2.3. Other hazards

No information available.

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

#### 3.2. Mixtures

### Hazardous components

CAS No	Chemical name					
	EC No	Index No	REACH No			
	Classification (GB CLP Regulation	)				
108-10-1	4-methylpentan-2-one			50 - < 55 %		
	203-550-1	606-004-00-4	01-2119473980-30			
	Flam. Liq. 2, Carc. 2, Acute Tox. 4, EUH066	, Eye Irrit. 2, STOT SE 3; H225 H351	H332 H319 H336			
64-17-5	ethanol		45 - < 50 %			
	200-578-6	603-002-00-5	01-2119457610-43			
	Flam. Liq. 2, Eye Irrit. 2; H225 H319					

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. I	Limits, M-factors and ATE	
108-10-1	203-550-1	4-methylpentan-2-one	50 - < 55 %
	inhalation: ATE	11 mg/l (vapours)	
64-17-5	200-578-6	ethanol	45 - < 50 %
	inhalation: LC5 100	0 = 124,7 mg/l (vapours); oral: LD50 = 10470 mg/kg Eye Irrit. 2; H319: >= 50 -	

## **Further Information**

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



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## **General information**

#### No data available

## 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.

#### After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Remove contact lenses, if present and easy to do. Continue rinsing.

#### After ingestion

Observe risk of aspiration if vomiting occurs. Call a physician immediately.

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

Irritant Respiratory complaints Vapours may cause drowsiness and dizziness. Dizziness

#### 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

Carbon dioxide (CO2) Foam Extinguishing powder

#### Unsuitable extinguishing media

no restriction

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

# Combustible liquid.

Vapours are heavier than air, spread along floors and form explosive mixtures with air. Hazardous combustion products In case of fire may be liberated: Carbon dioxide (CO2) Carbon monoxide Beware of reignition.

## 5.3. Advice for firefighters

Remove persons to safety. Do not inhale explosion and combustion gases. Avoid contact with skin, eyes and clothes. In case of fire: Wear self-contained breathing apparatus. Use water spray jet to protect personnel and to cool endangered containers.

### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Suppress gases/vapours/mists with water spray jet. Move undamaged containers from immediate hazard area if it can be done safely.

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



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### 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.

## For non-emergency personnel

Provide adequate ventilation.

Use personal protection equipment.

Avoid contact with skin, eyes and clothes.

Remove persons to safety.

Emergency procedures

Consult an expert

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.

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

Danger of explosion

#### 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

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

### Advice on protection against fire and explosion

Take action to prevent static discharges. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.



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## Advice on general occupational hygiene

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

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

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

#### Requirements for storage rooms and vessels

Keep container tightly closed. Keep container dry. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### Hints on joint storage

Do not store together with: Oxidising agent. Pyrophoric or self-heating substances.

national regulations

## Further information on storage conditions

Vapours may form explosive mixtures with air. Keep cool. Protect from sunlight.

## 7.3. Specific end use(s)

Laboratory use Laboratory chemical

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

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
108-10-1	4-Methylpentan-2-one	50	208		TWA (8 h)	WEL
		100	416		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL

#### **Biological Monitoring Guidance Values (EH40)**

CAS No	Su	ubstance	Parameter	Value	Test material	Sampling time
108-10-	1 4-	-methylpentan-2-one	4-methylpentan-2-one	20 µmol/L	urine	Post shift



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## **DNEL/DMEL** values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
108-10-1	4-methylpentan-2-one			
Worker DNEL	_, long-term	inhalation	systemic	83 mg/m³
Worker DNEL	_, acute	inhalation	systemic	208 mg/m <sup>3</sup>
Worker DNEL	_, long-term	inhalation	local	83 mg/m³
Worker DNEI	_, acute	inhalation	local	208 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	11,8 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	14,7 mg/m³
Consumer DNEL, acute		inhalation	systemic	155,2 mg/m³
Consumer DI	NEL, long-term	inhalation	local	14,7 mg/m³
Consumer DI	NEL, acute	inhalation	local	155,2 mg/m <sup>3</sup>
Consumer DI	NEL, long-term	dermal	systemic	4,2 mg/kg bw/day
Consumer DI	NEL, long-term	oral	systemic	4,2 mg/kg bw/day
64-17-5	ethanol			
Worker DNEL	_, long-term	inhalation	systemic	950 mg/m³
Worker DNEL	_, long-term	dermal	systemic	343 mg/kg bw/day
Consumer DI	NEL, long-term	inhalation	systemic	114 mg/m³
Consumer DI	NEL, long-term	dermal	systemic	206 mg/kg bw/day
Consumer DI	NEL, long-term	oral	systemic	87 mg/kg bw/day

#### PNEC values

CAS No	Substance	
Environment	tal compartment	Value
108-10-1	4-methylpentan-2-one	
Freshwater		0,6 mg/l
Freshwater (	1,5 mg/l	
Marine wate	r	0,06 mg/l
Freshwater s	sediment	8,27 mg/kg
Marine sedir	0,83 mg/kg	
Micro-organi	isms in sewage treatment plants (STP)	27,5 mg/l
Soil		1,3 mg/kg
64-17-5	ethanol	
Freshwater		0,96 mg/l
Freshwater (	(intermittent releases)	2,75 mg/l
Marine wate	r	0,79 mg/l
Freshwater s	3,6 mg/kg	
Marine sediment		2,9 mg/kg
Secondary poisoning		380 mg/kg
Micro-organi	isms in sewage treatment plants (STP)	580 mg/l
Soil		0,63 mg/kg



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### 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.

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

#### Eye/face protection

Suitable eye protection: goggles.

#### Hand protection

Suitable examples are gloves of KCL GmbH, D-36124 Eichenzell, e-mail: vertrieb@kcl.de with the following specification (test according to EN 374):

By long-term hand contact: No data available

By short-term hand contact Trade name/designation: KCL 897 Butoject® Suitable material: Butyl caoutchouc (butyl rubber) 0,3 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

Flame-retardant protective clothing. Wear anti-static footwear and clothing

### **Respiratory protection**

Respiratory protection necessary at: aerosol or mist formation

#### **Environmental exposure controls**

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

Danger of explosion

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

#### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid	
Colour:	clear	
Odour:	characteristic	
Odour threshold:	No data available	
Melting point/freezing point:		No data available
Boiling point or initial boiling point and		78 °C
boiling range:		
Flammability:		not applicable
Lower explosion limits:		No data available
Upper explosion limits:		No data available
Flash point:		12 °C
Auto-ignition temperature:		No data available
Decomposition temperature:		not determined
pH-Value:		No data available
Viscosity / kinematic:		No data available



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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:	0,796 g/cm³	
Relative density:	No data available	
Bulk density:	No data available	
Relative vapour density:	not determined	
Particle characteristics:	No data available	
9.2. Other information		
Information with regard to physical hazard classe	S	
Explosive properties		
Vapours can form explosive mixtures with air.		
Sustaining combustion:	Sustaining combustion	
Self-ignition temperature		
Solid:	not applicable	
Gas:	not applicable	
Oxidizing properties		
Not oxidising.		
Other safety characteristics		
Evaporation rate:	not determined	
Solvent separation test:	No data available	
Solvent content:	No data available	
Solid content:	not determined	
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	
Further Information		
No data available		
SECTION 10: Stability and reactivity		

#### •

## 10.1. Reactivity

Highly flammable. Vapours can form explosive mixtures with air.

## 10.2. Chemical stability

Protect against: Heat

## 10.3. Possibility of hazardous reactions

Oxidizing agent

## @00000001174



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#### 10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

### 10.5. Incompatible materials

plastic and rubber

## 10.6. Hazardous decomposition products

Hazardous combustion products

In case of fire may be liberated: Carbon dioxide (CO2) Carbon monoxide

#### **Further information**

No data available

## **SECTION 11: Toxicological information**

#### 11.1. Information on hazard classes as defined in GB CLP Regulation

#### Toxicocinetics, metabolism and distribution

There are no data available on the mixture itself.

#### Acute toxicity

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

#### **ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) 21,86 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name						
	Exposure route	Dose		Species	Source	Method	
108-10-1	4-methylpentan-2-one						
	inhalation vapour	ATE 11 mg/l					
64-17-5	ethanol						
	oral	LD50 mg/kg	10470	Rat	Study report (1976)	OECD Guideline 401	
	inhalation (4 h) vapour	LC50 mg/l	124,7	Rat	Study report (1980)	OECD Guideline 403	

#### Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

### Sensitising effects

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

## Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of causing cancer. (4-methylpentan-2-one) Germ cell mutagenicity: Based on available data, the classification criteria are not met. Reproductive toxicity: Based on available data, the classification criteria are not met.

#### STOT-single exposure

May cause drowsiness or dizziness. (4-methylpentan-2-one)

#### STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

#### Aspiration hazard

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



## according to UK REACH Regulation

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							5
	ion on likely routes of ex e are no data available on		itself.				
	effects in experiment on						
	e are no data available on		itself.				
	al information on tests e are no data available on	the mixture	itself.				
	l experience						
	e are no data available on	the mixture	itself.				
	ation on other hazards						
	<b>ne disrupting properties</b> e are no data available on	the mixture	itself				
	formation						
	product causes narcotic-lik	ke effects.					
Further info							
Irritar							
	iratory complaints ours may cause drowsines	s and dizzin	<b>ess</b>				
Dizzii			000.				
		u					
SECTION	12: Ecological informat	lion					
12.1. Toxicit There	<b>t<u>y</u> e are no data available on</b>	the mixture	itself.				
CAS No	Chemical name						
	Aquatic toxicity	Dose		[h]   [d]	Species	Source	Method
108-10-1	4-methylpentan-2-one						
	Acute fish toxicity	LC50 mg/l	> 179	96 h	Danio rerio	Study report (2010)	OECD Guideline 203
	Acute crustacea toxicity	EC50 mg/l	> 200	48 h	Daphnia magna	Study report (2009)	OECD Guideline 202
	Crustacea toxicity	NOEC	78 mg/l	21 d	Daphnia magna	Grey literature	other:
						(1988)	"Vorläufigen Testverfahrensvor
							sch
64-17-5	ethanol						
	Acute fish toxicity	LC50	15400	96 h	Lepomis macrochirus	Bulletin of	other:
		mg/l				Environmental	EPA-660/3-75-00
	Acute algae toxicity	ErC50	ca.	96 h	Pseudokirchneriella	Contamination Ecotoxicology and	9, 1975 OECD Guideline
	Prodice algae to Aloity	22000 mg/l	<i>.</i>	301	subcapitata	Environmental	201
		EC50	> 10000	40 -	Dophnia magna	Safety 7 Water Research	other: DIN 38412
	Acute crustacea toxicity	mg/l	- 10000	48 n	Daphnia magna	23(4): 495-499	Teil 11
						(1989)	
	Algae toxicity	NOEC	5400	5 d	Skeletonema	(1989) Environ Toxicol	Study to

Crustacea toxicity

NOEC

2 mg/l

10 d Ceriodaphnia dubia

sensitivity of a

Follows the basic

methodology for

the th

8(5):451-455. (1989

Arch Environ

20(2):211-21

Contam Toxicol



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## 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
108-10-1	4-methylpentan-2-one	1,9
64-17-5	ethanol	-0,77

## BCF

CAS No	Chemical name	BCF	Species	Source
64-17-5	ethanol	1	Cyprinus carpio	Comparative Biochemi

#### 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 UK REACH.

### 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

There are no data available on the mixture itself.

#### **Further information**

Avoid release to the environment. Do not empty into drains.

#### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

#### **Disposal recommendations**

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

Send to a physico-chemical treatment facility under observation of official regulations. Do not empty into drains.

## 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 1993
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (ethanol, 4-methylpentan-2-one)
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
Hazard label:	3
Classification code:	F1
Special Provisions:	274 601 640D
Limited quantity:	1 L
Excepted quantity:	E2
Transport category:	2
Hazard No:	33



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Tunnel restriction code:	D/E	
Inland waterways transport (ADN)		
14.1. UN number or ID number:	UN 1993	
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (ethanol, 4-methylpentan-2-one)	
14.3. Transport hazard class(es):	3	
14.4. Packing group:	II	
Hazard label:	3	
Classification code:	F1	
Special Provisions:	274 601 640D	
Limited quantity:	1 L	
Excepted quantity:	E2	
Marine transport (IMDG)		
14.1. UN number or ID number:	UN 1993	
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (ethanol, 4-methylpentan-2-one)	
14.3. Transport hazard class(es):	3	
14.4. Packing group:	II	
Hazard label:	3	
Special Provisions:	274	
Limited quantity:	1 L	
Excepted quantity:	E2	
EmS:	F-E, S-E	
Air transport (ICAO-TI/IATA-DGR)		
14.1. UN number or ID number:	UN 1993	
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (ethanol, 4-methylpentan-2-one)	
14.3. Transport hazard class(es):	3	
14.4. Packing group:	II	
Hazard label:	3	
Special Provisions:	A3	
Limited quantity Passenger:	1L	
Passenger LQ:	Y341	
Excepted quantity:	E2	
IATA-packing instructions - Passenger:	353	
IATA naching instructions	5 L	
IATA-packing instructions - Cargo:	364 60 L	
IATA-max. quantity - Cargo:	60 L	
14.5. Environmental hazards		
ENVIRONMENTALLY HAZARDOUS:	No	
14.6. Special precautions for user		
Warning: Combustible liquid.		
14.7. Maritime transport in bulk according to	o IMO instruments	
not applicable		
SECTION 15: Regulatory information		
15.1. Safety, health and environmental requ	lations/legislation specific for the substance or mixture	
EU regulatory information		
Restrictions on use (REACH, annex XVII):		
Entry 3, Entry 40, Entry 75		
Information according to 2012/18/EU	P5c FLAMMABLE LIQUIDS	

(SEVESO III):



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National regulatory information		
Employment restrictions:	Observe restrictions to employment for juveniles a work protection guideline' (94/33/EC). Observe em under the Maternity Protection Directive (92/85/EE nursing mothers.	ployment restrictions
Water hazard class (D):	1 - slightly hazardous to water	
SECTION 16: Other information		
Abbreviations and acronyms ADR: Accord européen sur le transpo (European Agreement concerning the IMDG: International Maritime Code fo IATA: International Air Transport Asso GHS: Globally Harmonized System of	ociation f Classification and Labelling of Chemicals ing Commercial Chemical Substances emical Substances	)

### Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Eye Irrit. 2; H319	Calculation method
Carc. 2; H351	Calculation method
STOT SE 3; H336	Calculation method

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

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
EUH066	Repeated exposure may cause skin dryness or cracking.

#### **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.



# Methyl isobutyl ketone (MIBK) / ethanol (denatured) mixture for analysis mixed 1 : 1

Revision date: 16.10.2023

**volumetrically** Product code: 19504

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