

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Dichlormethan- / Ethanol - Gemisch 1 : 1 volumetrisch gemischt Extraktionsmittel für die FFA...

Revision date: 27.02.2025

Product code: 34986

Page 1 of 15

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

##### 1.1. Product identifier

Dichlormethan- / Ethanol - Gemisch 1 : 1 volumetrisch gemischt Extraktionsmittel für die FFA...

UFI: XQV3-U3YP-3000-NKSC

##### 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 number:

For Hazardous Materials [or Dangerous Goods] Incidents Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

##### Further Information

No data available

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

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

Flam. Liq. 2; H225

Skin Irrit. 2; H315

Eye Irrit. 2; H319

Carc. 2; H351

STOT SE 3; H336

Full text of hazard statements: see SECTION 16.

##### 2.2. Label elements

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

###### Hazard components for labelling

dichloromethane

Signal word: Danger

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Dichlormethan- / Ethanol - Gemisch 1 : 1 volumetrisch gemischt Extraktionsmittel für die FFA...**

Revision date: 27.02.2025

Product code: 34986

Page 2 of 15

**Pictograms:**



**Hazard statements**

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.

**Precautionary statements**

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P260 Do not breathe mist/vapours/spray.
- P280 Wear protective gloves/protective clothing and eye protection/face protection.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container to an appropriate recycling or disposal facility.

**2.3. Other hazards**

Methylenchlorid wird im Körper zu Kohlenmonoxid umgewandelt, das die Fähigkeit Sauerstoff aufzunehmen, verringert..

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

**3.2. Mixtures**

**Relevant ingredients**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
75-09-2	dichloromethane			60 - < 65 %
	200-838-9	602-004-00-3	01-2119480404-41	
	Carc. 2, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H351 H315 H319 H336			
64-17-5	ethanol			35 - < 40 %
	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. Limits, M-factors and ATE		
75-09-2	200-838-9	dichloromethane	60 - < 65 %
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg		
64-17-5	200-578-6	ethanol	35 - < 40 %
	inhalation: LC50 = 124,7 mg/l (vapours); oral: LD50 = 10470 mg/kg Eye Irrit. 2; H319: >= 50 - 100		

**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).

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Dichlormethan- / Ethanol - Gemisch 1 : 1 volumetrisch gemischt Extraktionsmittel für die FFA...

Revision date: 27.02.2025

Product code: 34986

Page 3 of 15

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### General information

First aider: Pay attention to self-protection!

###### After inhalation

Provide fresh air.

Remove casualty to fresh air and keep warm and at rest.

If breathing is irregular or stopped, administer artificial respiration.

In the event of cardiac arrest immediately perform cardiopulmonary resuscitation.

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.

If swallowed, immediately drink: Water

Observe risk of aspiration if vomiting occurs.

Call a physician immediately.

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

Irritant

Vapours may cause drowsiness and dizziness.

Dizziness, Inebriation

Gastrointestinal complaints, Vomiting

Unconsciousness, Cough

Respiratory complaints, Dyspnoea

Corneal opacity. Circulatory collapse

Liver and kidney damage

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

Hohe Konzentrationen in der Luft haben betäubende Wirkung und schädigen das Zentralnervensystem. Zu den Symptomen gehören Benommenheit, Übelkeit, Erbrechen und Kopfschmerzen. Die Einwirkung von Konzentrationen von 1000 ppm Methylenchlorid während 20 Minuten führt zu Benommenheit. Das Einatmen wiederholter oder hoher Konzentrationen hat betäubende Wirkung. Dies kann Bewusstlosigkeit und auch Tod zur Folge haben.

Medikamente der Ephedrin/Adrenalingruppe sind zu vermeiden, da Herzrhythmusstörungen oder Herzstillstand hervorgerufen werden können.

#### 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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Dichlormethan- / Ethanol - Gemisch 1 : 1 volumetrisch gemischt Extraktionsmittel für die FFA...

Revision date: 27.02.2025

Product code: 34986

Page 4 of 15

#### **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:  
Hydrogen chloride (HCl)  
Phosgene

#### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.  
Wear full chemical protective clothing.  
In case of fire and/or explosion do not breathe fumes.  
Avoid contact with skin, eyes and clothes.

#### **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.  
Use water spray jet to protect personnel and to cool endangered containers.  
Danger of bursting container.

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

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

##### **General advice**

Do not breathe vapour/aerosol.  
Wear a self-contained breathing apparatus and chemical protective clothing.  
Keep away from sources of ignition - No smoking.

##### **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.

#### **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).  
Verschüttetes Material mit Schaum bedecken, um Verdunstung zu verringern.

##### **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.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Dichlormethan- / Ethanol - Gemisch 1 : 1 volumetrisch gemischt Extraktionsmittel für die FFA...

Revision date: 27.02.2025

Product code: 34986

Page 5 of 15

#### **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.  
When using do not eat, drink, smoke, sniff. Use personal protection equipment.  
Provide adequate ventilation. Avoid contact with skin, eyes and clothes.  
Do not breathe vapour/aerosol.  
Vapours are heavier than air, spread along floors and form explosive mixtures with air.

##### **Advice on protection against fire and explosion**

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).

##### **Advice on general occupational hygiene**

Keep away from food, drink and animal feedingstuffs. 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. Avoid: aerosol or mist formation Do not breathe vapour/aerosol.

##### **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.

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

##### **Requirements for storage rooms and vessels**

Store in a well-ventilated place. Keep container tightly closed.  
Store in a place accessible by authorized persons only.  
Protect against: Light  
Unsuitable container/equipment material: Aluminium, Light metal, Alloy, contains light metal  
Längerer Kontakt mit Aluminium oder Leichtmetalllegierungen kann zur Bildung van Chlorwasserstoffgas und Hitze führen.

##### **Hints on joint storage**

national regulations

##### **Further information on storage conditions**

Keep container tightly closed.  
Keep cool. Protect from sunlight.

#### **7.3. Specific end use(s)**

Laboratory chemicals

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

#### **8.1. Control parameters**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Dichlormethan- / Ethanol - Gemisch 1 : 1 volumetrisch gemischt Extraktionsmittel für die FFA...**

Revision date: 27.02.2025

Product code: 34986

Page 6 of 15

**Occupational exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
64-17-5	Ethyl alcohol	1000	-		STEL (15 min)	
75-09-2	Methylene chloride	100	353		TWA (8 h)	
		200	706		STEL (15 min)	

**Biological limit values**

CAS No	Substance	Parameter	Value	Test material	Sampling time
75-09-2	Dichloromethane/Methylene chloride	COHb	4 %	Haemoglobin	Measure at end of shift

**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
75-09-2	dichloromethane			
	Worker DNEL, long-term	inhalation	systemic	353 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	systemic	706 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	12 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	88,3 mg/m <sup>3</sup>
	Consumer DNEL, acute	inhalation	systemic	353 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	5,82 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	0,06 mg/kg bw/day
64-17-5	ethanol			
	Worker DNEL, long-term	inhalation	systemic	950 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	343 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	114 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	206 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	87 mg/kg bw/day

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Dichlormethan- / Ethanol - Gemisch 1 : 1 volumetrisch gemischt Extraktionsmittel für die FFA...**

Revision date: 27.02.2025

Product code: 34986

Page 7 of 15

**PNEC values**

CAS No	Substance	Value
Environmental compartment		Value
75-09-2	dichloromethane	
Freshwater		0,31 mg/l
Freshwater (intermittent releases)		0,27 mg/l
Marine water		0,031 mg/l
Freshwater sediment		2,57 mg/kg
Marine sediment		0,26 mg/kg
Micro-organisms in sewage treatment plants (STP)		26 mg/l
Soil		0,33 mg/kg
64-17-5	ethanol	
Freshwater		0,96 mg/l
Freshwater (intermittent releases)		2,75 mg/l
Marine water		0,79 mg/l
Freshwater sediment		3,6 mg/kg
Marine sediment		2,9 mg/kg
Secondary poisoning		380 mg/kg
Micro-organisms in sewage treatment plants (STP)		580 mg/l
Soil		0,63 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.

In the immediate working surroundings there must be: Make available sufficient washing facilities

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

**Eye/face protection**

goggles

Wear eye/face protection.

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

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

By long-term hand contact: No data available

By short-term hand contact

Trade name/designation: KCL 890 Vitoject®

Recommended material: FKM (fluoro rubber) 0,7 mm

Wearing time with occasional contact (splashes): > 120 min

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Dichlormethan- / Ethanol - Gemisch 1 : 1 volumetrisch gemischt Extraktionsmittel für die FFA...

Revision date: 27.02.2025

Product code: 34986

Page 8 of 15

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.

The choice of body protection depends on the concentration and quantity of hazardous substances. The chemical resistance of protective agents must be clarified with their suppliers.

#### Respiratory protection

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

#### Thermal hazards

No data available

#### Environmental exposure controls

Do not allow to enter into surface water or drains.

## 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 boiling range:		>35 °C
Flammability:		No data available
Lower explosion limits:		No data available
Upper explosion limits:		No data available
Flash point:		<23 °C
Auto-ignition temperature:		No data available
Decomposition temperature:		No data available
pH-Value:		No data available
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:		No data available
Relative density:		No data available
Bulk density:		No data available
Relative vapour density:		No data available
Particle characteristics:		No data available

### 9.2. Other information



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Dichlormethan- / Ethanol - Gemisch 1 : 1 volumetrisch gemischt Extraktionsmittel für die FFA...

Revision date: 27.02.2025

Product code: 34986

Page 9 of 15

#### Information with regard to physical hazard classes

##### Explosive properties

Vapours may 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

Solvent separation test:

No data available

Solvent content:

No data available

Solid content:

0%

Sublimation point:

No data available

Softening point:

No data available

Pour point:

No data available

No data available:

Flow time:

No data available

#### Further Information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

May cause decomposition by long-term light influence.

### 10.2. Chemical stability

Protect against: Light

### 10.3. Possibility of hazardous reactions

Alkali metals

Alkaline earth metal

Nitric acid

Amines

Hydrocarbons, aromatic

K, Na, Al

Formation of explosive mixtures with: Nitric acid

### 10.4. Conditions to avoid

Protect against:

Light

Radiant heat.

### 10.5. Incompatible materials

Rubber articles

plastics

metals

Light metal

Längerer Kontakt mit Aluminium oder Leichtmetalllegierungen kann zur Bildung von Chlorwasserstoffgas und Hitze führen.

### 10.6. Hazardous decomposition products

Bei thermischen Zersetzung: HCl, Phosgen

#### Further information

No data available

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Dichlormethan- / Ethanol - Gemisch 1 : 1 volumetrisch gemischt Extraktionsmittel für die FFA...**

Revision date: 27.02.2025

Product code: 34986

Page 10 of 15

**SECTION 11: Toxicological information**

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

**Toxicokinetics, metabolism and distribution**

Avoid exposure - obtain special instructions before use.

**Acute toxicity**

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

Pulmonary oedema

Pneumonia

Mucous membrane irritation in the mouth, throat, esophagus and gastrointestinal tract.

Große Mengen können zu inneren Reizungen, Übelkeit, Erbrechen und Durchfall sowie zu Schwindelgefühl und Bewußtlosigkeit führen. Kann durch die Haut aufgenommen werden, aber nicht in ausreichenden Mengen, um Schadwirkungen zu haben. Exposition gegenüber hohen Konzentrationen (>1000 ppm) Methylenchlorid in der Atemluft können Benommenheit verursachen. Exposition gegenüber sehr hohen Konzentrationen in der Atemluft kann zu Bewusstlosigkeit, abnormalem Herzrhythmus und plötzlichem Tod führen. Methylenchlorid wird im Körper zu Kohlenmonoxid umgewandelt, das die Fähigkeit Sauerstoff aufzunehmen, verringert. Dies kommt in Form einer erhöhten Carbaxyhämoglobinkonzentration im Blut zum Ausdruck.

**ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
75-09-2	dichloromethane				
	oral	LD50 > 2000 mg/kg	Rat	Other company data (1988)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rat	Other company data (1988)	OECD Guideline 402
64-17-5	ethanol				
	oral	LD50 10470 mg/kg	Rat	Study report (1976)	OECD Guideline 401
	inhalation (4 h) vapour	LC50 124,7 mg/l	Rat	Study report (1980)	OECD Guideline 403

**Irritation and corrosivity**

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

Has degreasing effect on the skin. Dermatitis Wiederhalter und/oder längerer Hautkontakt kann zu Rötung, Blasenbildung oder Brennen führen.

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Dichlormethan- / Ethanol - Gemisch 1 : 1 volumetrisch gemischt Extraktionsmittel für die FFA...

Revision date: 27.02.2025

Product code: 34986

Page 11 of 15

Suspected of causing cancer. (dichloromethane)

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.

Inhalationsstudien zur chronischen Toxizität in Mäusen haben eine Erhöhung von Lungen- und Lebertumoren bei Methylenchlorid Konzentrationen deutlich über dem angegebenen Grenzwert gezeigt.

Ausgedehnte mechanistische Untersuchungen haben gezeigt, daß diese Wirkungen spezifisch für die Maus sind und keine Relevanz für die menschliche Gesundheit haben.

Dieses beruht auf den gut bekannten Unterschieden der Metabolisierungspfade zwischen Nagetieren und dem Menschen. Verschiedene große Untersuchungen an Menschen die beruflich Methylenchlorid ausgesetzt waren, haben keine nachweisbare Verbindung zu Krebs gezeigt.

#### STOT-single exposure

May cause drowsiness or dizziness. (dichloromethane)

Hohe Konzentrationen in der Atemluft werden betäubende Wirkung haben und das Zentralnervensystem schädigen. Symptome können einschliessen: Benommenheit, Übelkeit, Erbrechen und Kopfschmerzen.

Hohe Dampfkonzentrationen können stark reizend auf die Atemwege wirken.

#### STOT-repeated exposure

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

#### Aspiration hazard

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

#### Information on likely routes of exposure

No data available

#### Specific effects in experiment on an animal

No data available

#### Additional information on tests

No data available

#### Practical experience

No data available

### 11.2. Information on other hazards

#### Endocrine disrupting properties

No data available

#### Other information

No data available

#### Further information

Irritant, Vapours may cause drowsiness and dizziness.

Dizziness, Inebriation

Gastrointestinal complaints, Vomiting

Unconsciousness, Cough

Respiratory complaints, Dyspnoea

Corneal opacity. Circulatory collapse

Liver and kidney damage

## SECTION 12: Ecological information

### 12.1. Toxicity

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

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Dichlormethan- / Ethanol - Gemisch 1 : 1 volumetrisch gemischt Extraktionsmittel für die FFA...**

Revision date: 27.02.2025

Product code: 34986

Page 12 of 15

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
75-09-2	dichloromethane					
	Acute fish toxicity	LC50 193 mg/l	96 h	Pimephales promelas	Bull Environ Contam Toxicol 20, 344-352	According to test methods described by t
	Acute crustacea toxicity	EC50 27 mg/l	48 h	Daphnia magna	Study report (1979)	According EPA publication
	Fish toxicity	NOEC 357 mg/l	8 d	Pimephales promelas	Bull Environ Contam Toxicol 39, 869-876 (	other: ASTM E729-80
64-17-5	ethanol					
	Acute fish toxicity	LC50 15400 mg/l	96 h	Lepomis macrochirus	Bulletin of Environmental Contamination	other: EPA-660/3-75-009, 1975
	Acute algae toxicity	ErC50 ca. 22000 mg/l	96 h	Pseudokirchneriella subcapitata	Ecotoxicology and Environmental Safety 7	OECD Guideline 201
	Acute crustacea toxicity	EC50 > 10000 mg/l	48 h	Daphnia magna	Water Research 23(4): 495-499 (1989)	other: DIN 38412 Teil 11
	Algae toxicity	NOEC 5400 mg/l	5 d	Skeletonema costatum	Environ Toxicol Chem 8(5):451-455. (1989)	Study to determine the sensitivity of a
	Crustacea toxicity	NOEC 2 mg/l	10 d	Ceriodaphnia dubia	Arch Environ Contam Toxicol 20(2):211-21	Follows the basic methodology for the th

**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
75-09-2	dichloromethane	1,25
64-17-5	ethanol	-0,77

**BCF**

CAS No	Chemical name	BCF	Species	Source
75-09-2	dichloromethane	> 0,91 - < 7,9		Washington, DC, US E
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 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.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Dichlormethan- / Ethanol - Gemisch 1 : 1 volumetrisch gemischt Extraktionsmittel für die FFA...

Revision date: 27.02.2025

Product code: 34986

Page 13 of 15

#### Further information

Do not allow to enter into surface water or 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

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

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

Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)".

Lösemittelrückstände dürfen nicht in die Kanalisation oder in Gewässer gelangen. Fässer oder andere Gebinde, die Methylenchlorid enthalten oder enthalten haben dürfen NICHT geschweißt, zerschnitten oder verbrannt werden. Explosionsgefahr!

### SECTION 14: Transport information

#### Land transport (ADR/RID)

<b>14.1. UN number or ID number:</b>	UN 1993
<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (ethanol)
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	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
Tunnel restriction code:	D/E

#### Inland waterways transport (ADN)

<b>14.1. UN number or ID number:</b>	UN 1993
<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (ethanol)
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II
Hazard label:	3
Classification code:	F1
Special Provisions:	274 601 640D
Limited quantity:	1 L
Excepted quantity:	E2

#### Marine transport (IMDG)

<b>14.1. UN number or ID number:</b>	UN 1993
<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (ethanol)
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II
Hazard label:	3
Special Provisions:	274
Limited quantity:	1 L

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Dichlormethan- / Ethanol - Gemisch 1 : 1 volumetrisch gemischt Extraktionsmittel für die FFA...**

Revision date: 27.02.2025

Product code: 34986

Page 14 of 15

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)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3  
Special Provisions: A3  
Limited quantity Passenger: 1 L  
Passenger LQ: Y341  
Excepted quantity: E2  
IATA-packing instructions - Passenger: 353  
IATA-max. quantity - Passenger: 5 L  
IATA-packing instructions - Cargo: 364  
IATA-max. quantity - Cargo: 60 L

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 59, Entry 75

Information according to Directive 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 2 - obviously hazardous to water

**SECTION 16: Other information**

**Abbreviations and acronyms**

Flam. Liq: Flammable liquid  
Skin Irrit: Skin irritation  
Eye Irrit: Eye irritation  
Carc: Carcinogenicity  
STOT SE: Specific target organ toxicity - single exposure

**Key literature references and sources for data**

Lieferanten-Sicherheitsdatenblatt

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Dichlormethan- / Ethanol - Gemisch 1 : 1 volumetrisch gemischt Extraktionsmittel für die FFA...**

Revision date: 27.02.2025

Product code: 34986

Page 15 of 15

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

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Skin Irrit. 2; H315	Calculation method
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.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.

**Further Information**

Provide appropriate information, instructions and training to users

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.)*