

according to Regulation (EC) No 1907/2006

# Ethylbenzene for analysis

Revision date: 26.07.2023 Product code: 25228 Page 1 of 13

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

### 1.1. Product identifier

Ethylbenzene for analysis

REACH Registration Number: 01-2119489370-35-XXXX

CAS No: 100-41-4 Index No: 601-023-00-4 EC No: 202-849-4

### 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

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 telephoneFor Hazardous Materials [or Dangerous Goods] Incidents Spill, Leak, Fire,number: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 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

Regulation (EC) No 1272/2008

Signal word: Danger



# **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

# Ethylbenzene for analysis

Revision date: 26.07.2023 Product code: 25228 Page 2 of 13

### Pictograms:







#### **Hazard statements**

H225 Highly flammable liquid and vapour.

H332 Harmful if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

H373 May cause damage to organs (ears) through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.

### **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

P403+P235 Store in a well-ventilated place. Keep cool.

#### 2.3. Other hazards

No information available.

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

# 3.1. Substances

Sum formula: C6H5C2H5

Molecular weight: 106,16 g/mol

## **Hazardous components**

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
100-41-4	ethylbenzene			
	202-849-4 601-023-00-4 01-2119489370-35-XXXX			
	Flam. Liq. 2, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 3; H225 H332 H315 H319 H335 H373 H304 H412			

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

# Specific Conc. Limits, M-factors and ATE

- p	=	······················	
CAS No	EC No	Chemical name	Quantity
	Specific Conc.	Limits, M-factors and ATE	
100-41-4	202-849-4	ethylbenzene	100 %
	inhalation: ATE	E = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); oral: LD50 = ca.	

#### **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



according to Regulation (EC) No 1907/2006

# Ethylbenzene for analysis

Revision date: 26.07.2023 Product code: 25228 Page 3 of 13

#### **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.

Call a physician immediately.

#### 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

Dizziness

Dizziness

Gastrointestinal complaints

Vomiting

Headache

Spasms

Dizziness

The product causes narcotic-like effects.

Inebriation

Has degreasing effect on the skin.

### 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

Water spray jet, 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.



## **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

## Ethylbenzene for analysis

Revision date: 26.07.2023 Product code: 25228 Page 4 of 13

Move undamaged containers from immediate hazard area if it can be done safely.

#### **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.

### 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.

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 gas/fumes/vapour/spray. 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.



according to Regulation (EC) No 1907/2006

## Ethylbenzene for analysis

Revision date: 26.07.2023 Product code: 25228 Page 5 of 13

## 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

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

Keep container tightly closed and dry.

### Hints on joint storage

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

### Further information on storage conditions

Vapours may form explosive mixtures with air.

storage temperature < 30°C

## 7.3. Specific end use(s)

Laboratory use Laboratory chemical

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

### 8.1. Control parameters

## Occupational exposure limits

CAS No	Substance	ppm	mg/m³	fib/cm³	Category	Origin
100-41-4	Ethylbenzene	100	442		TWA (8 h)	
		200	884		STEL (15 min)	

### **Biological limit values**

CAS No	Substance	Parameter	Value	Test material	Sampling time
100-41-4	,	Mandelic acid and phenylglyoxylic acid	0.7 g/g		End of shift at end of workweek

### **DNEL/DMEL values**

CAS No	Substance						
DNEL type		Exposure route	Effect	Value			
100-41-4	ethylbenzene						
Worker DNEL,	long-term	inhalation	systemic	77 mg/m³			
Worker DNEL,	acute	inhalation	local	293 mg/m³			
Worker DNEL,	long-term	dermal	systemic	180 mg/kg bw/day			
Consumer DNE	EL, long-term	inhalation	systemic	15 mg/m³			
Consumer DNE	EL, long-term	oral	systemic	1,6 mg/kg bw/day			



according to Regulation (EC) No 1907/2006

## Ethylbenzene for analysis

Revision date: 26.07.2023 Product code: 25228 Page 6 of 13

#### **PNEC** values

CAS No	Substance		
Environmen	Environmental compartment		
100-41-4	ethylbenzene		
Freshwater		0,1 mg/l	
Freshwater	Freshwater (intermittent releases)		
Marine water		0,01 mg/l	
Freshwater sediment		13,7 mg/kg	
Marine sediment		1,37 mg/kg	
Secondary p	Secondary poisoning		
Micro-organ	Micro-organisms in sewage treatment plants (STP)		
Soil		2,68 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.

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

#### Eye/face protection

Suitable eye protection: goggles.

# **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

Trade name/designation KCL 890 Vitoject®
Suitable material: FKM (fluoro rubber) 0,7 mm
Wearing time with permanent contact: > 480 min

By short-term hand contact

Trade name/designation KCL 730 Camatril® Velours Suitable material: NBR (Nitrile rubber) 0,4 mm

Wearing time with occasional contact (splashes): > 10 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

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

Filtering device with filter or ventilator filtering device of type: A

### **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



# **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

# Ethylbenzene for analysis

Revision date: 26.07.2023 Product code: 25228 Page 7 of 13

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

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

Physical state:

Colour:

Colour:

Odour:

Odour threshold:

Liquid

colourless

characteristic

No data available

Melting point/freezing point:

-95 °C

Boiling point or initial boiling point and

136 °C

boiling range:

not applicable Flammability: Lower explosion limits: 1 vol. % Upper explosion limits: 7,8 vol. % 15 °C Flash point: 430 °C Auto-ignition temperature: Decomposition temperature: not determined No data available pH-Value: Viscosity / kinematic: 0.63 mm<sup>2</sup>/s

(at 40 °C)

Water solubility: 0,2 g/L

(at 20 °C)

Solubility in other solvents

not determined

Dissolution rate:

Partition coefficient n-octanol/water:

Dispersion stability:

Vapour pressure:

No data available
No data available
No data available
9,52 hPa

(at 20 °C)

Vapour pressure:No data availableDensity:0,87 g/cm³Relative density:No data availableBulk density:No data availableRelative vapour density:not determinedParticle characteristics:No data available

## 9.2. Other information

### Information with regard to physical hazard classes

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: No data available Solid content: not determined Sublimation point: No data available Softening point: No data available Pour point: No data available



according to Regulation (EC) No 1907/2006

# Ethylbenzene for analysis

Revision date: 26.07.2023 Product code: 25228 Page 8 of 13

No data available:

Viscosity / dynamic: 0,68 mPa⋅s

(at 20 °C)

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

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

Oxidising agent

## 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

Rubber articles

# 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 Regulation (EC) No 1272/2008

## Toxicocinetics, metabolism and distribution

No data available

## **Acute toxicity**

Harmful if inhaled.

CAS No	Chemical name	Chemical name								
	Exposure route	Dose		Species	Source	Method				
100-41-4	ethylbenzene	ethylbenzene								
	oral	LD50 mg/kg	ca. 3500	Rat	AMA Arch. Ind. Health. 14:387-398 (1956	No guideline available 3.				
	inhalation vapour	ATE	11 mg/l							
	inhalation dust/mist	ATE	1,5 mg/l							

# Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Irritation to respiratory tract

## Sensitising effects

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



according to Regulation (EC) No 1907/2006

## Ethylbenzene for analysis

Revision date: 26.07.2023 Product code: 25228 Page 9 of 13

## Carcinogenic/mutagenic/toxic effects for reproduction

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

### STOT-single exposure

May cause respiratory irritation. (ethylbenzene)

#### STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure. (ethylbenzene)

### **Aspiration hazard**

May be fatal if swallowed and enters airways.

#### 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

Irritant

Dizziness

Dizziness

Gastrointestinal complaints

Vomiting

Headache

Spasms

Dizziness

The product causes narcotic-like effects.

Inebriation

Has degreasing effect on the skin.

### **Further information**

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

# **SECTION 12: Ecological information**

### 12.1. Toxicity

Harmful to aquatic life with long lasting effects.



# **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

# Ethylbenzene for analysis

Revision date: 26.07.2023 Product code: 25228 Page 10 of 13

CAS No	Chemical name									
	Aquatic toxicity	Dose		[h]   [d]	Species	Source	Method			
100-41-4	ethylbenzene	ethylbenzene								
	Acute fish toxicity	LC50	4,2 mg/l	96 h	Oncorhynchus mykiss	Ecotoxicol. Environ. Saf. 16:158-169 (19	OECD Guideline 203			
	Acute algae toxicity	ErC50	4,6 mg/l		Pseudokirchneriella subcapitata	Chemosphere 10(10): 1123-1126 (1981)	OECD Guideline 201			
	Acute crustacea toxicity	EC50 mg/l	1,8 - 2,4	48 h	Daphnia magna	Water Res. 27:903-909 (1993)	other: According to EPA method F			
	Acute bacteria toxicity	(EC50 mg/l)	ca. 600		activated sludge, domestic	Study report (1988)	OECD Guideline 209			

#### 12.2. Persistence and degradability

81 - 100 %; 14 d; aerob OECD-302C

#### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
100-41-4	ethylbenzene	3,6

#### **BCF**

CAS No	Chemical name	BCF	Species	Source
100-41-4	ethylbenzene	1	Oncorhynchus kisutch	Arch. Environ. Conta

## 12.4. Mobility in soil

No data available

# 12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

### 12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

# 12.7. Other adverse effects

Do not empty into drains.

# **Further information**

Avoid release to the environment.

# **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 hazardous waste incinerator 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**



according to Regulation (EC) No 1907/2006

# Ethylbenzene for analysis

Revision date: 26.07.2023 Product code: 25228 Page 11 of 13

### Land transport (ADR/RID)

14.1. UN number or ID number: UN 1175

14.2. UN proper shipping name: ETHYLBENZENE

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3Classification code:F1Limited quantity:1 LExcepted quantity:E2Transport category:2Hazard No:33

### Inland waterways transport (ADN)

Tunnel restriction code:

14.1. UN number or ID number: UN 1175

14.2. UN proper shipping name: ETHYLBENZENE

D/E

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3Classification code:F1Limited quantity:1 LExcepted quantity:E2

### Marine transport (IMDG)

14.1. UN number or ID number: UN 1175

14.2. UN proper shipping name: ETHYLBENZENE

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3Special Provisions:-Limited quantity:1 LExcepted quantity:E2EmS:F-E, S-D

## Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1175

14.2. UN proper shipping name: ETHYLBENZENE

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3Limited quantity Passenger:1 LPassenger LQ:Y341Excepted 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

### 14.6. Special precautions for user

Warning: Combustible liquid.

# 14.7. Maritime transport in bulk according to IMO instruments

not applicable

## **SECTION 15: Regulatory information**



according to Regulation (EC) No 1907/2006

# Ethylbenzene for analysis

Revision date: 26.07.2023 Product code: 25228 Page 12 of 13

## 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

Information according to 2012/18/EU

P5c FLAMMABLE LIQUIDS

(SEVESO III):

### **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): 1 - slightly hazardous to water

#### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

#### **SECTION 16: Other information**

#### Changes

This data sheet contains changes from the previous version in section(s): 9,12.

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%
Flam. Liq: Flammable liquid
Acute Tox: Acute toxicity
Asp. Tox: Aspiration hazard
Skin Irrit: Skin irritation
Eye Irrit: Eye irritation

STOT SE: Specific target organ toxicity - single exposure STOT RE: Specific target organ toxicity - repeated exposure

Aquatic Chronic: Chronic aquatic hazard

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

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.
H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H373 May cause damage to organs (ears) through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful 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



# **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

# Ethylbenzene for analysis

Revision date: 26.07.2023 Product code: 25228 Page 13 of 13

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.