



# Safety Data Sheet

according to UK REACH Regulation

## Lederschwärze

Revision date: 29.08.2024

Product code: 510-022

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### Chemical characterization

Finish

### Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
	Kohlenwasserstoffe, C15-C20, n-Alkane, Isoalkane, Cycloalkane, <0,03% Aromaten			2,5-10,0%
	934-956-3		01-2119827000-58	
	Asp. Tox. 1; H304			
	Kohlenwasserstoffe, C13-C16, n-Alkane, Isoalkane, Cycloalkane, <0,03% Aromaten			1,0-2,5%
	934-954-2		01-2119826592-36	
	Asp. Tox. 1; H304			
	Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cycloalkane, <2% Aromaten			1,0-2,5%
	920-107-4		01-2119453414-43	
	Asp. Tox. 1; H304 EUH066			
141-43-5	2-aminoethanol; ethanolamine			0,1-1,0%
	205-483-3	603-030-00-8		
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1; H332 H312 H302 H314 H317			
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one			< 0,05 %
	220-120-9	613-088-00-6		
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 2; H302 H315 H318 H317 H400 H411			
55965-84-9	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)			< 0,0015 %
	-	613-167-00-5		
	Acute Tox. 2, Acute Tox. 2, Acute Tox. 3, Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H310 H301 H314 H318 H317 H400 H410 EUH071			

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	
141-43-5	205-483-3	2-aminoethanol; ethanolamine	0,1-1,0%
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 1025 mg/kg; oral: LD50 = 1515 mg/kg STOT SE 3; H335: >= 5 - 100	
2634-33-5	220-120-9	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	< 0,05 %
		oral: ATE = 500 mg/kg Skin Sens. 1; H317: >= 0,05 - 100	
55965-84-9	-	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	< 0,0015 %
		inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: ATE = 50 mg/kg; oral: ATE = 100 mg/kg Skin Corr. 1C; H314: >= 0,6 - 100 Skin Irrit. 2; H315: >= 0,06 - < 0,6 Eye Dam. 1; H318: >= 0,6 - 100 Eye Irrit. 2; H319: >= 0,06 - < 0,6 Skin Sens. 1A; H317: >= 0,0015 - 100 Aquatic Acute 1; H400: M=100 Aquatic Chronic 1; H410: M=100	

### Further Information

No risks worthy of mention.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

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### General information

First aider: Pay attention to self-protection! Move victim out of danger zone. Change contaminated clothing.

### After inhalation

Move victim to fresh air. Put victim at rest and keep warm. In case of respiratory tract irritation, consult a physician.

### After contact with skin

After contact with skin, wash immediately with: Water and soap. Remove contaminated, saturated clothing immediately. In case of skin irritation, seek medical treatment.

### After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

### After ingestion

Rinse mouth immediately and drink large quantities of water. Call a physician immediately. Do NOT induce vomiting. Caution if victim vomits: Risk of aspiration! Subsequent observance for pneumonia and lung oedema.

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

Treat symptomatically. To supervise the blood circulation.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Atomized water. alcohol resistant foam. dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media

High power water jet.

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

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

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Wear chemical resistant suit.

### Additional information

Co-ordinate fire-fighting measures to the fire surroundings. Contaminated fire-fighting water must be collected separately.

## SECTION 6: Accidental release measures

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

#### General advice

Wear personal protection equipment. Keep away from unprotected people. Keep upwind. Remove persons to safety. Provide adequate ventilation.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Spilled product must not leak into the ground. Cover drains.

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

#### Other information

Suitable material for taking up: Sand, Kieselguhr. Universal binding agent. Take up mechanically, placing in appropriate containers for disposal. Treat the recovered material as prescribed in the section on waste disposal.

### 6.4. Reference to other sections

Ventilate affected area.

## SECTION 7: Handling and storage

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### 7.1. Precautions for safe handling

#### Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means. All work processes must always be designed so that the following is excluded: inhalation. skin contact. Eye contact. Keep container tightly closed.

#### Advice on protection against fire and explosion

Usual measures for fire prevention.

#### Advice on general occupational hygiene

Wash hands before breaks and after work. Protect skin by using skin protective cream. Do not eat, drink, smoke or sneeze at the workplace. Avoid contact with skin, eyes and clothes.

#### Further information on handling

Keep away from food, drink and animal feedingstuffs.

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

#### Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place. Recommended storage temperature: of °C: 10 up to °C: 20. Short-term maximum storage temperature permitted: 30 °C. Protect against: frost. Ensure adequate ventilation of the storage area.

#### Hints on joint storage

Keep away from food, drink and animal feedingstuffs. Do not store together with: acid. Base. Oxidizing agents.

#### Further information on storage conditions

Heating causes rise in pressure with risk of bursting.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
141-43-5	2-Aminoethanol	1	2.5		TWA (8 h)	WEL
		3	7.6		STEL (15 min)	WEL

#### Additional advice on limit values

Does not contain substances above concentration limits fixing an occupational exposure limit.

### 8.2. Exposure controls

#### Appropriate engineering controls

Refer to chapter 7. No further action is necessary.

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

##### Eye/face protection

Eye protection: not required. Recommended eye protection brand: Tightly sealed safety glasses.

##### Hand protection

Hand protection: Single-use gloves. Suitable material: NR (Natural rubber (Caoutchouc), Natural latex).

##### Skin protection

Body protection: not required. Recommended body protection brands: Lab coat. Apron.

##### Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

##### Environmental exposure controls

Refer to chapter 7. No further action is necessary.

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### SECTION 9: Physical and chemical properties

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

Physical state:	Paste
Colour:	black
Odour:	characteristic
Boiling point or initial boiling point and boiling range:	ca. 100 - 270 °C
Flammability:	non-flammable
Flash point:	No flash point until: 105 °C
pH-Value (at 20 °C):	neutral
Water solubility:	miscible.
Density (at 20 °C):	0,94 g/cm <sup>3</sup>

#### 9.2. Other information

##### Information with regard to physical hazard classes

Explosive properties  
not Explosive.

### SECTION 10: Stability and reactivity

#### 10.5. Incompatible materials

Oxidizing agents, strong. acid. Alkalis (alkalis).

#### 10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors.

### SECTION 11: Toxicological information

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

##### Acute toxicity

Preparation not tested. The statement is derived from the properties of the single components.

Acute toxicity, oral LD50: >5000 mg/kg (Rat).

Acute toxicity, dermal LD50: >2000 mg/kg (Rabbit.)

Acute toxicity, inhalant LC50: >2,0 mg/l (Rat.) Exposure time: 4h

Irritant effect on the skin: mild irritant.

Respiratory or skin sensitisation after skin contact: no danger of sensitization.

##### 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; ATE (inhalation gas) > 20000 ppm

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
141-43-5	2-aminoethanol; ethanolamine				
	oral	LD50 mg/kg	1515	Rat	
	dermal	LD50 mg/kg	1025	Rabbit	IUCLID
	inhalation vapour	ATE	11 mg/l		
	inhalation dust/mist	ATE	1,5 mg/l		
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one				
	oral	ATE mg/kg	500		
55965-84-9	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)				
	oral	ATE mg/kg	100		
	dermal	ATE	50 mg/kg		
	inhalation vapour	ATE	0,5 mg/l		
	inhalation dust/mist	ATE	0,05 mg/l		

### Irritation and corrosivity

Frequently or prolonged contact with skin may cause dermal irritation.

### Sensitising effects

Preparation not tested.

### Carcinogenic/mutagenic/toxic effects for reproduction

Longterm experiments do not indicate carcinogenic effects. No experimental indications of genotoxicity in-vitro exist. No experimental indications of genotoxicity in vivo exist. During animal experiments no indications of reproductive toxicity were observed. No acute phototoxic potential - in-vivo phototoxicity unlikely. No further biological tests necessary.

### STOT-repeated exposure

Toxicological data are not available.

### Specific effects in experiment on an animal

Longterm experiments do not indicate carcinogenic effects. No experimental indications of genotoxicity in-vitro exist. No experimental indications of genotoxicity in vivo exist. During animal experiments no indications of reproductive toxicity were observed. No acute phototoxic potential - in-vivo phototoxicity unlikely. No further biological tests necessary.

## SECTION 12: Ecological information

### 12.1. Toxicity

product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
141-43-5	2-aminoethanol; ethanolamine					
	Acute fish toxicity	LC50	150 mg/l	96 h	Onchorhynchus mykiss	IUCLID
	Acute algae toxicity	ErC50	22 mg/l	72 h	Desmodesmus subspicatus	
	Acute crustacea toxicity	EC50	65 mg/l	48 h	Daphnia magna	

### 12.2. Persistence and degradability

product has not been tested. Product is biodegradable.

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**12.3. Bioaccumulative potential**

product has not been tested. Can be concentrated in organisms.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
141-43-5	2-aminoethanol; ethanolamine	-1,91 (25°C)

**12.4. Mobility in soil**

product has not been tested.

**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**

product has not been tested.

**Further information**

Do not allow to enter into surface water or drains. Spilled product must not leak into the ground.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Hand over to officially registered waste disposal company.

**List of Wastes Code - residues/unused products**

070299 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic rubber and man-made fibres; wastes not otherwise specified

**List of Wastes Code - used product**

070299 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic rubber and man-made fibres; wastes not otherwise specified

**List of Wastes Code - contaminated packaging**

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

**Contaminated packaging**

Completely emptied packings can be re-cycled.

**SECTION 14: Transport information****Land transport (ADR/RID)****14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.**Inland waterways transport (ADN)****14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.**Marine transport (IMDG)****14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.**Air transport (ICAO-TI/IATA-DGR)****14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

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Restrictions on use (REACH, annex XVII):

Entry 75

Directive 2004/42/EC on VOC in  
paints and varnishes:

Volatile organic compounds (VOC) in percentage by weight: 0,0%

**National regulatory information**

Water hazard class (D):

1 - slightly hazardous to water

**SECTION 16: Other information****Abbreviations and acronyms**

Acute Tox: Acute toxicity

Asp. Tox: Aspiration hazard

Skin Corr: Skin corrosion

Skin Irrit: Skin irritation

Eye Dam: Eye damage

Skin Sens: Skin sensitisation

Aquatic Acute: Acute aquatic hazard

Aquatic Chronic: Chronic aquatic hazard

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

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H310	Fatal in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
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.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH071	Corrosive to the respiratory tract.
EUH208	Contains 1,2-Benzisothiazol-3(2H)-on und 5-Chlor-2-methyl-2H-isothiazol-3-on / 2-Methyl-2H-isothiazol-3-on (3:1). May produce an allergic reaction.

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