

SAFETY DATA SHEET

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Trade name: Azoscharlach

Print date: 22.04.20

Version: 8 / DE

Date revised: 22.04.2020

Replaces Version: 7 / DE

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

1.1. Product identifier

Azoscharlach

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

Use of the substance/preparation

Colourant

1.3. Details of the supplier of the safety data sheet

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

EUH208 Contains 1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol, May produce an allergic reaction.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

Supplemental information

EUH210 Safety data sheet available on request.

2.3. Other hazards

Dust loading. Possible dust explosion hazard.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

colourant mixture, inorganic/organic construction

Hazardous ingredients (Regulation (EC) No. 1272/2008)

2-Naphthol

CAS No. 135-19-3

EINECS no. 205-182-7

Registration no. 01-2119957114-40-XXXX

Concentration >= 0,1 < 1 %

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H332

Acute Tox. 4 H302

Aquatic Acute 1 H400

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol

CAS No. 49744-28-7

EINECS no. 256-458-9

Registration no. 01-2120753168-50-XXXX

Safety data sheet in accordance with regulation (EC) No 1907/2006

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protective measures listed in Sections 7 and 8. Remove persons to safety.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Retain and dispose of contaminated wash water.

6.3. Methods and material for containment and cleaning up

Avoid raising dust. Pick up mechanically. When picked up, treat material as prescribed under Section 13 "Disposal".

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation and deposition of dust. Provide exhaust ventilation if dust is formed. Ensure adequate ventilation. Handle and open container with care. Provide suitable exhaust ventilation at the processing machines. Use breathing apparatus when transferring large quantities without exhaust ventilation facilities. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Observe the usual precautions for handling chemicals.

Advice on protection against fire and explosion

Avoid dust formation. Take action to prevent static discharges. Earthing necessary during loading operations. Keep away from sources of heat and ignition. Dust can form an explosive mixture with air. Do not smoke.

7.2. Conditions for safe storage, including any incompatibilities

Hints on storage assembly

Do not store together with foodstuffs. Do not store together with: Oxidising agents, Acids

Further information on storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from direct sunlight. Protect from extreme heat and cold.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Calcium fluoride

List	2000/39/EC
Type	Indicative Occupational Exposure Limit (EU)
Value	2,5 mg/m ³
Remarks:	Fluorides, inorganic

Calcium fluoride

List	TRGS 900
Value	1 mg/m ³
Maximum limit value:	4(II); Skin resorption / sensibilisation: H; Pregnancy group: Y; Status: 12/2007; Remarks: EU, DFG

Quartz

Type	MAK
Value	0,05 mg/m ³
Maximum limit value:	8; Status: DGUV 2017; Remarks: Alveolengängige Fraktion, TRGS 559, TRGS-Beurteilungsmaßstab

Biological limit values

Calcium fluoride

List	TRGS 903
Value	7,0 mg/g creatinine

Parameter	Fluoride
Testing material	Urine (U)
Test date	End of exposure or end of shift.

Calcium fluoride

List	TRGS 903
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Value	4,0	mg/g creatinine
Parameter	Fluoride	
Testing material	Urine (U)	
Test date	Before next shift.	

Other information

The national general dust limit must be observed.
TRGS 900: Observe the general dust threshold.

8.2. Exposure controls

General protective and hygiene measures

Do not inhale dust/fumes/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Use barrier skin cream. Observe the usual precautions for handling chemicals. Take off immediately all contaminated clothing.

Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Particle filter P2; Use breathing apparatus in dust-laden atmosphere.

Hand protection

Protective gloves

Observe the information of the glove manufacturers on permeability and breakthrough times and other workplace requirements.

Eye protection

Safety glasses with side protection shield

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Powder
Colour	see tradename
Odour	characteristic
Odour threshold	
Remarks	not determined
pH value	
Remarks	not determined
Melting point	
Remarks	not determined
Freezing point	
Remarks	not determined
Initial boiling point and boiling range	
Remarks	not determined
Flash point	
Remarks	Not applicable
Evaporation rate (ether = 1) :	
Remarks	not determined
Flammability (solid, gas)	
not determined	
Upper/lower flammability or explosive limits	
Remarks	not determined
Vapour pressure	
Remarks	not determined
Vapour density	
Remarks	not determined
Density	
Remarks	not determined
Solubility in water	
Remarks	not determined
Solubility(ies)	

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Remarks	not determined
Partition coefficient: n-octanol/water	
Remarks	not determined
Ignition temperature	
Remarks	not determined
Decomposition temperature	
Remarks	not determined
Explosive properties	
evaluation	not determined
Oxidising properties	
Remarks	not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Static charges. Dust can form an explosive mixture with air. Avoid all sources of ignition: heat, sparks, open flame.

Decomposition temperature

Remarks not determined

10.5. Incompatible materials

Reactions with strong oxidising agents. Reactions with strong alkalies. Reducing agents, Acids

10.6. Hazardous decomposition products

Barium oxides, sulphurous oxides (SO_x), nitrous oxides (NO_x), Chlorine compounds

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

Remarks not determined

Acute oral toxicity (Components)

2-Naphthol

Species	rat		
LD50	1960		mg/kg
Source	Literature value		
Source	Estimated value acute toxicity: 500 mg/kg, calculated value of the acute toxicity		

Acute dermal toxicity

Remarks not determined

Acute inhalational toxicity

Remarks not determined

Skin corrosion/irritation

Remarks not determined
Remarks Frequent persistent contact with the skin can cause skin irritation.

Skin corrosion/irritation (Components)

2-Naphthol

Species	rabbit		
Observation Period	24		h
evaluation	slightly irritant		
Source	Literature value		

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol

Species	Reconstructed human epidermis		
Duration of exposure	1		h

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evaluation non-irritant
 Method OECD 439
 Source Literature value

Serious eye damage/irritation

Remarks not determined
 Remarks Eye contact with the product may lead to irritation.

Serious eye damage/irritation (Components)

2-Naphthol

Species rabbit eye
 evaluation Moderately irritating
 Source Literature value

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol

Species Bovine cornea
 Duration of exposure 4 h
 evaluation non-irritant
 Method OECD 437
 Source Literature value

Sensitization

Remarks not determined

Sensitization (Components)

1-[(4-Methoxy-2-nitrophenyl)azo]-2-naphthol

Route of exposure dermal
 Species mouse
 evaluation May cause allergic skin reaction.
 Method OECD 429
 Remarks May cause sensitization by skin contact.
 Source Literature value

Subacute, subchronic, chronic toxicity

Remarks not determined
 Remarks Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

Mutagenicity

Remarks not determined

Mutagenicity (Components)

2-Naphthol

Route of exposure oral
 Species mouse
 Source Literature value
 Source Methode: OECD test guideline 474, mouse (male)

2-Naphthol

evaluation Not considered mutagenic based on several in vitro and in vivo studies.
 Source Literature value
 Source In vitro: Spezies: Salmonella typhimurium; Result: negative

Reproductive toxicity

Remarks not determined

Reproduction toxicity (Components)

2-Naphthol

Route of exposure oral
 Species Rats (male/female)
 Remarks Based on available data, the classification criteria are not met.
 Source Literature value
 Source General toxicity in mothers: 10 mg/kg; Embryo-fetal toxicity: > 160 mg/kg; Methode: OECD test guideline 415

Carcinogenicity

Remarks not determined

Carcinogenicity (Components)

2-Naphthol

Route of exposure dermal
 Species mouse
 Duration of exposure 12 Weeks

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evaluation No indications of carcinogenic effects are available from long-term trials.
Source Literature value
Source Mouse (female)

2-Naphthol

Route of exposure dermal
Species mouse
Duration of exposure 21 Weeks
evaluation No indications of carcinogenic effects are available from long-term trials.
Source Literature value
Source Mouse (female)

Specific Target Organ Toxicity (STOT)

Remarks not determined

Specific Target Organ Toxicity (STOT) (Components)

2-Naphthol

Repeated exposure

Route of exposure oral
Species rat
NOAEL 107 mg/kg
Source Literature value

Other information

No toxicological data are available.

SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

2-Naphthol

Species Fathead minnow (*Pimephales promelas*)
LC50 3,46 mg/l
Duration of exposure 96 h
Source Literature value
Source Type of test: static test

2-Naphthol

Species rainbow trout (*Oncorhynchus mykiss*)
LC50 0,08 mg/l
Duration of exposure 23 d
Source Literature value
Source Chronic toxicity

Daphnia toxicity (Components)

2-Naphthol

EC50 0,85 mg/l
Duration of exposure 48 h
Source Literature value
Source Type of test: static test

12.2. Persistence and degradability

General information

not determined

Biodegradability

Remarks not determined

Biodegradability (Components)

2-Naphthol

Value 27,8 %
Duration of test 5 d
Source Literature value

Biochemical oxygen demand (BOD5) (Components)

2-Naphthol

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Value	0,71	mg/g
Source	Literature value	

12.3. Bioaccumulative potential

General information

not determined

Partition coefficient: n-octanol/water

Remarks not determined

12.4. Mobility in soil

General information

not determined

Mobility in soil (Components)

2-Naphthol

Highly mobile in soils

12.5. Results of PBT and vPvB assessment

General information

not determined

12.6. Other adverse effects

General information

not determined

General information / ecology

Ecological data are not available. Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off as product waste.
Uncontaminated packaging may be taken for recycling.

SECTION 14: Transport information

Land transport ADR/RID

The product does not constitute a hazardous substance in land transport.

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information

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

Water Hazard Class (Germany)

Water Hazard Class (Germany)	WGK 1
Remarks	Derivation of WGK according to Annex 1 No. 5.2 AwSV

15.2. Chemical safety assessment

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

SECTION 16: Other information

Hazard statements listed in Chapter 3

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.

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H332

Harmful if inhaled.

H400

Very toxic to aquatic life.

CLP categories listed in Chapter 3

Acute Tox. 4

Acute toxicity, Category 4

Aquatic Acute 1

Hazardous to the aquatic environment, acute, Category 1

Skin Sens. 1

Skin sensitization, Category 1

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route

AGW: Arbeitsplatzgrenzwert

AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances that are hazardous to water)

BGW: Biologischer Grenzwert

CAS: Chemical Abstracts Service

DNEL: Derived no effect level

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

GGVSee: Gefahrgutverordnung See

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods

LC: Lethal concentration

LD: Lethal dose

MAK: Maximale Arbeitsplatz-Konzentration

NOEC: No observable effect concentration

NOEL: No observable effect level

OECD: Organisation for Economic Co-operation and Development

OEL: Occupational exposure limit

PBT: Persistent, Bioaccumulative and Toxic

PNEC: Predicted no effect concentration

RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses

TRGS: Technische Regeln für Gefahrstoffe

VDI: Verein Deutscher Ingenieure

VLEP: Valeurs Limites d'exposition Professionnelle

vPvB: Very persistent and very bioaccumulative

WGK: Wassergefährdungsklasse (water hazard class)

Supplemental information

These data is based on our present knowledge and experience respectively supplier-information. This safety data sheet describes the product in regard to the requirements of safety. The information does not represent a assurance for certain properties. Existing laws and regulations are to be observed by the recipient of our products in own responsibility. It is the responsibility of the user, to determine if the product is suitable for the deliberate operational area and the respective intended purpose. A liability for damages in connection with the use of this information is excluded. Relevant changes compared with the previous version of the safety data sheet are marked with: ***