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Safety data sheet according to 1907/2006/EC, Article 31

Printing date 15.12.2023 Version number 33 (replaces version 32) Revision: 15.12.2023

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

· 1.1 Product identifier

• Trade name Nafuflex High Performance - Komponente A

· Article number: 2166

1.2 Relevant identified uses of the substance or mixture

and uses advised against No further relevant information available.

· Application of the substance

/ the mixture Bitumen high build coating

· 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: MC-Bauchemie Müller GmbH & Co. KG

Am Kruppwald 1-8 D-46238 Bottrop Tel.: +49(0)2041-101-0 Fax.: +49(0)2041-101-400 E-Mail: info@mc-bauchemie.de

MC-Bauchemie AG Hagackerstr. 10 CH-8953 Dietikon Tel.: +44-7400510 Fax: +44-7400533

Informing department:

1.4 Emergency telephone

number:

Tel.: +49 / (0)700 24112112 (MCR)

Tel.: +48612864565

msds@mc-bauchemie.de

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

Skin Sens. 1 H317 May cause an allergic skin reaction.

- · 2.2 Label elements
- · Labelling according to

Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP regulation.

· Hazard pictograms



· Signal word Warning

· Hazard-determining

components of labelling: 2-methyl-2H-isothiazol-3-one 2-octyl-2H-isothiazol-3-one

Rosin

8-cyclohexadecen-1-one

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· **Hazard statements** H317 May cause an allergic skin reaction.

· Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves.

P362+P364 Take off contaminated clothing and wash it before

reuse.

P333+P313 If skin irritation or rash occurs: Get medical advice/

attention.

P321 Specific treatment (see on this label).

P501 Dispose of contents/container in accordance with

local/regional/national/international regulations.

· Additional information: Contains biocidal products: 8-cyclohexadecen-1-one, 2-methyl-2H-

isothiazol-3-one, 2-octyl-2H-isothiazol-3-one

· 2.3 Other hazards

· Results of PBT and vPvB assessment

PBT: Not applicable.vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

• **Description:** Mixture consisting of the following components.

CAS: 8052-42-4 Asphalt EINECS: 232-490-9 substance	30-60%
exposure lii	with a Community workplace nit
CAS: 8050-09-7 Rosin EINECS: 232-475-7 Skin Sens.	≥0.1-<0.59 , H317
omega-hyd Eye Dam. 1	2-ethanediyl),alpha-9-octadecenyl- oxy(Z), phsophate H318; Aquatic Acute 1, H400; Skin ; Aquatic Chronic 3, H412
EC number: 629-719-3 (unsaturate Reg.nr.: 01-2119487014-41 STOT RE 1 Acute 1, H	(even numbered) and C18 <0.025% l) alkyl propane-1,3-diamine H372; Skin Corr. 1B, H314; Aquatic 00 (M=10); Aquatic Chronic 1, H410 e Tox. 4, H302

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CAS: 2634-33-5	8-cyclohexadecen-1-one Acute Tox. 2, H330; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317:C ≥ 0.05 %	<0.025%
CAS: 2682-20-4 EINECS: 220-239-6	2-methyl-2H-isothiazol-3-one Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); Skin Sens. 1A, H317, EUH071 Specific concentration limit: Skin Sens. 1A;H317: C ≥ 0.0015 %	<i>≥</i> 0.0015-<0.025%
CAS: 13463-41-7 EINECS: 236-671-3	pyrithione zinc Acute Tox. 3, H301; Acute Tox. 2, H330; Repr. 1B, H360D; STOT RE 1, H372; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=1000); Aquatic Chronic 1, H410 (M=10) ATE: LD50 oral: 221 mg/kg LC50/4 h inhalative: 0.14 mg/l	<i>≥</i> 0.0025-<0.025%
CAS: 26530-20-1 EINECS: 247-761-7	2-octyl-2H-isothiazol-3-one Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317, EUH071 ATE: LD50 oral: 125 mg/kg	<i>≥</i> 0.0015-<0.0025%

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· **After inhalation** Supply fresh air.

• After skin contact The product is not skin irritating.

• After eye contact Rinse opened eye for several minutes under running water.

After swallowing Rinse out mouth and then drink plenty of water.

Seek medical treatment.

· 4.2 Most important symptoms and effects, both acute and

delayed No further relevant information available.

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 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with

water jet or alcohol-resistant foam.

 5.2 Special hazards arising from the substance or

mixture

No further relevant information available.

· 5.3 Advice for firefighters

• Protective equipment: No special measures required.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and

emergency procedures

Not required.

6.2 Environmental

precautions: Inform respective authorities in case product reaches water or

sewage system.

Dilute with much water.

· 6.3 Methods and material for

containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders,

universal binders, sawdust).

· 6.4 Reference to other

sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

· 7.1 Precautions for safe

handling No special measures required.

· Information about protection

against explosions and fires: No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage

· Requirements to be met by

storerooms and containers: No special requirements.

· Information about storage in

one common storage facility: Not required.

· Further information about

storage conditions: None.
Storage class 12

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· 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Components with critical values that require monitoring at the workplace:

CAS: 8052-42-4 Asphalt

WEL Short-term value: 10 mg/m³ Long-term value: 5 mg/m³

CAS: 8050-09-7 Rosin

WEL | Short-term value: 0.15 mg/m³

Long-term value: 0.05 mg/m³

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• Additional information: The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls · Appropriate engineering

controls No further data; see section 7.

· Individual protection measures, such as personal protective equipment

· General protective and

hygienic measures Wash hands during breaks and at the end of the work.

• Breathing equipment: Not required. • Hand protection Not required.

· Material of gloves

Penetration time of glove

material -

· Eye/face protection Safety glasses

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

Colour: Dark brown
 Smell: Fish-like
 Melting point/freezing point: Not determined

· Boiling point or initial boiling point and

boiling range 100 °C (CAS: 7732-18-5 water, distilled,

conductivity or of similar purity)

· Flash point: Not applicable

· pH at 20 °C 8.75

· Viscosity:

Kinematic viscositydynamic at 20 °C:Not determined.33000 mPas

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· Solubility

· Water: Fully miscible

• Steam pressure at 20 °C: 23 hPa (CAS: 7732-18-5 water, distilled,

conductivity or of similar purity)

· Density and/or relative density

· Density at 20 °C 0.7 g/cm³

9.2 Other information

· Appearance:

Form: Viscous

· Important information on protection of health

and environment, and on safety.

• Self-inflammability: Product is not selfigniting. • Explosive properties: Product is not explosive.

· Information with regard to physical hazard

classes

· Explosives Void · Flammable gases Void · Aerosols Void · Oxidising gases Void Gases under pressure Void Flammable liquids Void Flammable solids Void · Self-reactive substances and mixtures Void · Pyrophoric liquids Void Pyrophoric solids Void Self-heating substances and mixtures Void Substances and mixtures, which emit

flammable gases in contact with water
Oxidising liquids
Oxidising solids
Organic peroxides
Corrosive to metals
Desensitised explosives
Void
Void
Void
Void

SECTION 10: Stability and reactivity

• 10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition /

conditions to be avoided: No decomposition if used according to specifications.

· 10.3 Possibility of hazardous

reactions No dangerous reactions known

10.4 Conditions to avoid
 10.5 Incompatible materials:
 No further relevant information available.

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· 10.6 Hazardous

decomposition products: No dangerous decomposition products known

SECTION 11: Toxicological information

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

Acute tox		Based on available data, the classification criteria are not met.
		nt are relevant for classification:
CAS: 805	2-42-4 As _l	
Dermal	LD50	>2000 mg/kg (rabbit)
	NOAEL	2000 mg/kg (rabbit)
Inhalative	NOAEL	103.9 mg/l (rat)
CAS: 805	0-09-7 Ros	sin
Oral	LD50	>2500 mg/kg (Meerschweinchen)
		>3000 mg/kg (mouse)
		>2000 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
CAS: 121	9010-04-4	N-C16-18 (even numbered) and C18 (unsaturated) alkyl propane-1,
		diamine
Oral	LD50	500 mg/kg (rat)
	NOAEL	0.4 mg/kg (rat)
CAS: 263	4-33-5 8-c	yclohexadecen-1-one
Oral	LD50	1020 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
CAS: 268	2-20-4 2-n	nethyl-2H-isothiazol-3-one
Oral	LD50	50-300 mg/kg (rat)
Inhalative	LC50/4 h	0.11 mg/l (rat)
CAS: 134	63-41-7 py	rithione zinc
Oral	LD50	221 mg/kg (ATE)
Inhalative	LC50/4 h	0.14 mg/l (ATE)
CAS: 265	30-20-1 2-	octyl-2H-isothiazol-3-one
Oral	LD50	125 mg/kg (ATE)
		500 mg/kg (rat)
Dermal	LD50	311 mg/kg (ATE)
		>2000 mg/kg (rat)
Inhalative	LC50/4 h	0.27 mg/l (ATE)
		0.6 mg/l (rat)
Skin corr		

· Skin corrosion/irritation

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

· Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. · Carcinogenicity

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Reproductive toxicity
 STOT-single exposure
 STOT-repeated exposure
 Aspiration hazard
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.

· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

	· 12.1 Toxicity			
Aquatic to	-			
	2-42-4 Asphalt			
	>1000 mg/l (algae)			
LC50/96h	0.002 mg/l (Coregonus clupeaformis)			
	>1000 mg/l (fish)			
EC50	0.062 mg/l (Gammarus pseudolimnaeus)			
LC50/48h	>1000 mg/l (Daphnien)			
NOEC	>1000 mg/l (Daphnien)			
CAS: 8050	0-09-7 Rosin			
EC50/48h	>1000 mg/l (Daphnia magna)			
CAS: 1219	9010-04-4 N-C16-18 (even numbered) and C18 (unsaturated) alkyl propane-1,3- diamine			
LC50/24h	0.148 mg/l (fish)			
EC50	0.29 mg/l (Daphnia magna)			
NOEC	>0.01 mg/l (algae)			
CAS: 2634	1-33-5 8-cyclohexadecen-1-one			
EC50/72h	0.067 mg/l (Pseudokirchneriella subcapitata)			
	0.11 mg/l (Selenastrum capricornutum)			
LC50/96h	1.6 mg/l (Oncorhynchus mykiss)			
EC50/48h	1.1 mg/l (Daphnia magna)			
CAS: 2682	2-20-4 2-methyl-2H-isothiazol-3-one			
EC50/72h	0.157 mg/l (Pseudokirchneriella subcapitata)			
LC50/96h	6 mg/l (Oncorhynchus mykiss)			
EC50/48h	1.68 mg/l (Daphnies)			
CAS: 1340	63-41-7 pyrithione zinc			
IC50/72h	0.067 mg/l (Selenastrum capricornutum)			
LC50/96h	0.15 mg/l (Oncorhynchus mykiss)			
EC50/48h	0.05 mg/l (Daphnies)			
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CAS: 26530-20-1 2-octyl-2H-isothiazol-3-one

EC50/48h 0.42 mg/l (Daphnien)

· 12.2 Persistence and

degradability No further relevant information available.

· 12.3 Bioaccumulative

potential
No further relevant information available.

12.4 Mobility in soil
No further relevant information available.

· 12.5 Results of PBT and vPvB assessment · PBT: Not applicable. · vPvB: Not applicable.

· 12.6 Endocrine disrupting

properties The product does not contain substances with endocrine disrupting

properties.

· 12.7 Other adverse effects

· Remark: Harmful to fish

· Additional ecological information:

· General notes: Harmful to aquatic organisms

Danger to drinking water if even extremely small quantities leak

into soil.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

• Recommendation Must not be disposed of together with household garbage. Do not

allow product to reach sewage system.

· Uncleaned packagings:

• Recommendation: Empty contaminated packagings thoroughly. They can be recycled

after thorough and proper cleaning.

· Recommended cleaning

agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information			
· 14.1 UN number or ID number · ADR, ADN, IMDG, IATA	Void		
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void		
· 14.3 Transport hazard class(es)			
· ADR, ADN, IMDG, IATA · Class	Void		
· 14.4 Packing group · ADR, IMDG, IATA	Void		
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· warine poliutant:	IVO
· 14.6 Special precautions for user	Not applicable.

· 14.7 Maritimo transport in hulk according to

· 14.7 Maritime transport in bulk according to

IMO instruments Not applicable.

· Transport/Additional information: Not dangerous according to the above

specifications.

· UN "Model Regulation": Void

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/ legislation specific for the

· 14.5 Environmental hazards:

substance or mixture No further relevant information available.

· Poisons Act

· Regulated explosives precursors

None of the ingredients is listed.

· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

· Reportable poisons

CAS: 1310-73-2 sodium hydroxide

12% of total caustic alkalinity

· 15.2 Chemical safety

assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases H301 Toxic if swallowed.

H302 Harmful if swallowed. H311 Toxic 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.

H360D May damage the unborn child.

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H372 Causes damage to organs through prolonged or repeated

exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

EUH071 Corrosive to the respiratory tract.

Department issuing data specification sheet:

Environment protection department.

· Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International

Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international 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 Harmonised 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 (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Acute Tox. 3: Acute toxicity - Category 3

Acute Tox. 4: Acute toxicity – Category 4 Acute Tox. 2: Acute toxicity – Category 2

Skin Corr. 1: Skin corrosion/irritation - Category 1 Skin Corr. 1B: Skin corrosion/irritation - Category 1B

Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Dam. 1: Serious eye damage/eye irritation - Category 1

Skin Sens. 1: Skin sensitisation - Category 1

Skin Sens. 1A: Skin sensitisation - Category 1A

Repr. 1B: Reproductive toxicity - Category 1B

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard -

Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic

hazard - Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic

hazard - Category 3

· * Data compared to the previous version altered.