

Ammann Asphalt GmbH  
31061 Alfeld (Leine)

Date printed 07.02.2024, Revision 06.02.2024

Version 3.0

Page 1 / 14

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

### 1.1 Product identifier

**AMMANN POWER LUBRICANT 3**

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

#### 1.2.1 Relevant uses

Grease

#### 1.2.2 Uses advised against

None known.

### 1.3 Details of the supplier of the safety data sheet

#### Company

Ammann Asphalt GmbH  
Hannoversche Straße 7-9  
31061 Alfeld (Leine) / GERMANY  
Phone +49 5181 76 – 0  
Fax +49 5181 2 52 82  
E-mail ammann.alfeld@ammann.com

#### Address enquiries to

##### Technical information

ammann.alfeld@ammann.com

##### Safety Data Sheet

ammann.alfeld@ammann.com

### 1.4 Emergency telephone number

#### Company

+ 49 171 745 0147

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

No classification.

### 2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

#### Hazard pictograms

none

#### Signal word

none

#### Hazard statements

none

#### Precautionary statements

none

#### Special labelling

EUH210 Safety data sheet available on request.

Contains: Naphthenic acids, bismuth salts, Molybdenum Trioxide, Reaction products with bis[O,O-bis(2-ethylhexyl) Hydrogen Dithiophosphate, 5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione. EUH208 May produce an allergic reaction.

### 2.3 Other hazards

#### Environmental hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

This substance/mixture contains components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

#### Other hazards

Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

### 3.1 Substances

not applicable

Ammann Asphalt GmbH

31061 Alfeld (Leine)

Date printed 07.02.2024, Revision 06.02.2024

Version 3.0

Page 2 / 14

### 3.2 Mixtures

The product is a mixture.

Range [%]	Substance
0,1 - <1	Naphthenic acids, bismuth salts
	CAS: 85736-59-0, EINECS/ELINCS: 288-470-5, Reg-No.: 01-2120769500-56-XXXX
	GHS/CLP: Skin Sens. 1B: H317 - Eye Irrit. 2: H319
0,1 - <0,25	Molybdenum Trioxide, Reaction products with bis[O,O-bis(2-ethylhexyl) Hydrogen Dithiophosphate
	CAS: -, EINECS/ELINCS: 947-946-9, Reg-No.: 01-2120772600-59-XXXX
	GHS/CLP: Skin Irrit. 2: H315 - Skin Sens. 1B: H317 - Aquatic Chronic 4: H413
0,1 - < 0,25	5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione
	CAS: 72676-55-2, EINECS/ELINCS: 276-763-0, Reg-No.: 01-2120119820-64-XXXX
	GHS/CLP: Skin Sens. 1B: H317 - Aquatic Chronic 2: H411

Comment on component parts

For full text of H-statements: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General information

Take off contaminated clothing and wash before reuse.

Inhalation

Ensure supply of fresh air.  
Remove the victim into fresh air and keep him calm.  
In the event of symptoms seek medical treatment.

Skin contact

In case of contact with skin wash off immediately with soap and water.  
Consult a doctor if skin irritation persists.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

Ingestion

Get medical advice.  
Do not induce vomiting.  
Rinse out mouth and give plenty of water to drink.

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

Allergic reactions

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

Treat symptomatically.  
Forward this sheet to your doctor.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam.  
Water spray jet.  
Dry powder.  
Carbon dioxide.

Extinguishing media that must not be used

Full water jet

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

Risk of formation of toxic pyrolysis products.  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>).  
Sulphur oxides (SO<sub>x</sub>).  
Phosphorus oxides (PO<sub>x</sub>).  
Metal oxides.

Ammann Asphalt GmbH  
31061 Alfeld (Leine)

Date printed 07.02.2024, Revision 06.02.2024

Version 3.0

Page 3 / 14

### 5.3 Advice for firefighters

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

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

Ensure adequate ventilation.

Use personal protective equipment.

Some risk of slipping due to spillage of product.

Forms slippery surfaces with water.

### 6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not discharge into the drains/surface waters/groundwater.

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

Take up mechanically.

Take up residues with absorbent material (e.g. sand, sawdust, general purpose binder, diatomaceous earth).

Dispose of absorbed material in accordance with the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well-ventilated areas.

Material will burn in fire.

Do not eat, drink or smoke when using this product.

Take off contaminated clothing and wash before reuse.

Wash hands before breaks and after work.

Use barrier skin cream.

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

Keep only in original container.

Do not store together with oxidizing agents.

Keep container tightly closed.

Keep container in a well-ventilated place.

Keep in a cool place. Store in a dry place.

Protect from heat/overheating and from sun.

storage class (TRGS 510)

Storage class 11 (VCI)

### 7.3 Specific end use(s)

See product use, SECTION 1.2

Ammann Asphalt GmbH  
31061 Alfeld (Leine)

Date printed 07.02.2024, Revision 06.02.2024

Version 3.0

Page 4 / 14

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

#### Ingredients with occupational exposure limits to be monitored DE (TRGS 900)

Substance
Residual oils (petroleum), hydrotreated
CAS: 64742-57-0, EINECS/ELINCS: 265-160-8, EU-INDEX: 649-470-00-4, Reg-No.: 01-2119489287-22
Exposure limit: 5 mg/m <sup>3</sup> , (II)
Factor: 4

#### Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

not relevant

#### DNEL

Substance
Molybdenum Trioxide, Reaction products with bis[O,O-bis(2-ethylhexyl) Hydrogen Dithiophosphate, CAS: -
Industrial, inhalative, Long-term - systemic effects, 4,93 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 1,4 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 0,87 mg/m <sup>3</sup>
general population, dermal, Long-term - systemic effects, 0,5 mg/kg bw/day
general population, oral, Long-term - systemic effects, 0,5 mg/kg bw/day
5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione, CAS: 72676-55-2
Industrial, inhalative, Long-term - systemic effects, 3.29 mg/m <sup>3</sup> (AF=75)
Industrial, dermal, Long-term - systemic effects, 0.93 mg/kg bw/d (AF=300)
general population, dermal, Long-term - systemic effects, 0.33 mg/kg bw/d (AF=600)
general population, inhalative, Long-term - systemic effects, 0.56 mg/m <sup>3</sup> (AF=150)
general population, oral, Long-term - systemic effects, 0.17 mg/kg bw/d (AF=600)
Naphthenic acids, bismuth salts, CAS: 85736-59-0
Industrial, inhalative, Long-term - systemic effects, 4,47 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 635 µg/kg bw/day
general population, inhalative, Long-term - systemic effects, 789 µg/m <sup>3</sup>
general population, dermal, Long-term - systemic effects, 227 µg/kg bw/day
general population, oral, Long-term - systemic effects, 227 µg/kg bw/day

#### PNEC

Substance
Molybdenum Trioxide, Reaction products with bis[O,O-bis(2-ethylhexyl) Hydrogen Dithiophosphate, CAS: -
There are no PNEC values established for the substance.
5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione, CAS: 72676-55-2
freshwater, 0.003 mg/L (AF=1000)
seawater, 0 mg/L (AF=10 000)
sewage treatment plants (STP), 0.31 mg/L (AF=10)
sediment (freshwater), 0.039 mg/kg dw
sediment (seawater), 0.004 mg/kg dw
soil, 0.006 mg/kg dw
Naphthenic acids, bismuth salts, CAS: 85736-59-0
freshwater, 7,1 µg/L
seawater, 710 ng/L
sediment (freshwater), 493 µg/kg sediment dw

Ammann Asphalt GmbH  
31061 Alfeld (Leine)

Date printed 07.02.2024, Revision 06.02.2024

Version 3.0

Page 5 / 14

sediment (seawater), 49 µg/kg sediment dw

soil, 103 µg/kg soil dw

**8.2 Exposure controls**

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. General exposure limit for oil mist should be noted. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
<b>Eye protection</b>	Tightly fitting goggles. (EN 166:2001)
<b>Hand protection</b>	The details concerned are recommendations. Please contact the glove supplier for further information. 0,5 mm, Nitrile rubber, >120 min (EN 374-1/-2/-3).
<b>Skin protection</b>	Oil-resistant protective clothing.
<b>Other</b>	Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols.
<b>Respiratory protection</b>	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)
<b>Thermal hazards</b>	not applicable
<b>Delimitation and monitoring of the environmental exposition</b>	Comply with applicable environmental regulations limiting discharge to air, water and soil.

Ammann Asphalt GmbH  
31061 Alfeld (Leine)

Date printed 07.02.2024, Revision 06.02.2024

Version 3.0

Page 6 / 14

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	solid
Form	pasty
Color	grey
Odor	characteristic
Odour threshold	No information available.
pH-value	No information available.
pH-value [1%]	No information available.
Boiling point or initial boiling point and boiling range [°C]	No information available.
Flash point [°C]	not applicable
Flammability	The product is not explosive. The product is not flammable.
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	<0,0001 (20°C)
Density [g/cm³]	0,9 (20 °C / 68,0 °F)
Relative density	0,9 (20 °C / 68,0 °F)
Bulk density [kg/m³]	not applicable
Solubility in water	insoluble
Solubility other solvents	No information available.
Partition coefficient n-octanol/water (log value)	No information available.
Kinematic viscosity	No information available.
Relative vapour density	No information available.
Melting point [°C]	No information available.
Auto-ignition temperature [°C]	No information available.
Decomposition temperature [°C]	No information available.
Particle characteristics	No information available.

### 9.2 Other information

No information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

No hazardous reactions known.

### 10.4 Conditions to avoid

Strong heating.

Ammann Asphalt GmbH

31061 Alfeld (Leine)

Date printed 07.02.2024, Revision 06.02.2024

Version 3.0

Page 7 / 14

#### 10.5 Incompatible materials

See SECTION 10.3.

#### 10.6 Hazardous decomposition products

No dangerous reactions known if used as directed.

Ammann Asphalt GmbH  
31061 Alfeld (Leine)

Date printed 07.02.2024, Revision 06.02.2024

Version 3.0

Page 8 / 14

## SECTION 11: Toxicological information

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

#### Acute oral toxicity

Based on the available information, the classification criteria are not fulfilled.

Substance
Molybdenum Trioxide, Reaction products with bis[O,O-bis(2-ethylhexyl) Hydrogen Dithiophosphate, CAS: -
LD50, oral, Rat, 6,81 mL/kg bw
5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione, CAS: 72676-55-2
LD50, oral, Rat, > 2000 mg/kg
Naphthenic acids, bismuth salts, CAS: 85736-59-0
LD50, oral, Rat, 3768 mg/kg bw

#### Acute dermal toxicity

Based on the available information, the classification criteria are not fulfilled.

Substance
Molybdenum Trioxide, Reaction products with bis[O,O-bis(2-ethylhexyl) Hydrogen Dithiophosphate, CAS: -
LD50, dermal, Rabbit, 10 mL/kg bw
5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione, CAS: 72676-55-2
LD50, dermal, Rabbit, > 2000 mg/kg
Naphthenic acids, bismuth salts, CAS: 85736-59-0
LD50, dermal, Rabbit, 3160 mg/kg bw

#### Acute inhalational toxicity

Based on the available information, the classification criteria are not fulfilled.

#### Serious eye damage/irritation

Based on the available information, the classification criteria are not fulfilled.

Substance
5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione, CAS: 72676-55-2
no adverse effect observed

#### Skin corrosion/irritation

Based on the available information, the classification criteria are not fulfilled.

Substance
5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione, CAS: 72676-55-2
no adverse effect observed

#### Respiratory or skin sensitisation

Based on the available information, the classification criteria are not fulfilled.  
May produce an allergic reaction.

Substance
5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione, CAS: 72676-55-2
dermal, sensitising

#### Specific target organ toxicity — single exposure

Based on the available information, the classification criteria are not fulfilled.

#### Specific target organ toxicity — repeated exposure

Based on the available information, the classification criteria are not fulfilled.

Substance
Molybdenum Trioxide, Reaction products with bis[O,O-bis(2-ethylhexyl) Hydrogen Dithiophosphate, CAS: -
NOAEL, oral, Rat, 100 mg/kg bw/day
Naphthenic acids, bismuth salts, CAS: 85736-59-0
NOAEL, oral, Rat, 136 mg/kg bw/day

#### Mutagenicity

Based on the available information, the classification criteria are not fulfilled.



**Ammann Asphalt GmbH**  
**31061 Alfeld (Leine)**

Date printed 07.02.2024, Revision 06.02.2024

Version 3.0

Page 9 / 14

Substance
Molybdenum Trioxide, Reaction products with bis[O,O-bis(2-ethylhexyl) Hydrogen Dithiophosphate, CAS: -
In vitro study, negativ
5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione, CAS: 72676-55-2
in vitro, positive
in vivo, negativ

**Reproduction toxicity** Based on the available information, the classification criteria are not fulfilled.

**- Fertility**

Substance
5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione, CAS: 72676-55-2
NOAEL, oral, Rat, 300 mg/kg bw/d (Effect on fertility)
Naphthenic acids, bismuth salts, CAS: 85736-59-0
NOAEL, oral, Rat, 900 mg/kg bw/day

**- Development**

Substance
5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione, CAS: 72676-55-2
NOAEL, oral, Rat, 300 mg/kg bw/d (Effect on fertility)
Naphthenic acids, bismuth salts, CAS: 85736-59-0
NOAEL, oral, Rat, 136 mg/kg bw/day

**Carcinogenicity** Based on the available information, the classification criteria are not fulfilled.

**Aspiration hazard** Based on the available information, the classification criteria are not fulfilled.

**General remarks**  
Toxicological data of complete product are not available.

**11.2 Information on other hazards**

- 11.2.1 Endocrine disrupting properties** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
- 11.2.2 Other information** none

Ammann Asphalt GmbH

31061 Alfeld (Leine)

Date printed 07.02.2024, Revision 06.02.2024

Version 3.0

Page 10 / 14

## SECTION 12: Ecological information

### 12.1 Toxicity

Substance
Molybdenum Trioxide, Reaction products with bis[O,O-bis(2-ethylhexyl) Hydrogen Dithiophosphate, CAS: -
EL50, (24h), Daphnia magna, >100 mg/L loading rate WAF (OECD 202)
EL50, (72h), Pseudokirchneriella subcapitata, >100 mg/L (OECD 201)
LL50, (96h), Oncorhynchus mykiss, >100 mg/L loading rate WAF(OECD 203)
5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione, CAS: 72676-55-2
LC50, (96h), Pimephales promelas, > 454 mg/L
EC50, (48h), Daphnia magna, 3 mg/L
EC50, (72h), Pseudokirchneriella subcapitata, 20 mg/L
Naphthenic acids, bismuth salts, CAS: 85736-59-0
LC50, (96h), fish, 5,62 - 137 mg/L
LC50, (96h), fish, 25 - 463 mmol/L
LC50, (48h), fish, 7,22 mg/L
LC50, (24h), fish, 13,8 mg/L
EC50, (96h), Algae, 18,1 - 33,4 mg/L
EC50, (96h), Algae, 118 - 463 mmol/L
EC50, (72h), Algae, 17,7 - 137 mg/L
EC50, (48h), Invertebrates, 20 - 137 mg/L
EC50, (48h), Invertebrates, 88,3 - 463 mmol/L
EC50, (24h), Invertebrates, 23,8 mg/L
NOEC, (48h), Invertebrates, 7,68 mg/L
NOEC, (96h), Algae, 7,41 - 9,24 mg/L
NOEC, (96h), Algae, 32,6 - 463 mmol/L
NOEC, (3h), Microorganisms, 300 mg/L
NOEC, (3h), Microorganisms, 1,44 mol/L
NOEC, (96h), fish, 3,22 mg/L
EC10, (3h), Microorganisms, 175.4 mg/L
LOEC, (48h), Invertebrates, 17 mg/L

### 12.2 Persistence and degradability

<b>Behaviour in environment compartments</b>	No information available.
<b>Behaviour in sewage plant</b>	No information available.
<b>Biological degradability</b>	No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

Ammann Asphalt GmbH  
31061 Alfeld (Leine)

Date printed 07.02.2024, Revision 06.02.2024

Version 3.0

Page 11 / 14

**12.6 Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12.7 Other adverse effects**

Ecological data of complete product are not available.  
The product is insoluble in water.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

**Product**

Coordinate disposal with the authorities if necessary.

**Waste no. (recommended)**

120112\* spent waxes and fats  
070699

**Contaminated packaging**

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

**Waste no. (recommended)**

150110\* packaging containing residues of or contaminated by hazardous substances

**SECTION 14: Transport information**

**14.1 UN number or ID number**

**Transport by land according to ADR/RID** not applicable

**Inland navigation (ADN)** not applicable

**Marine transport in accordance with IMDG** not applicable

**Air transport in accordance with IATA** not applicable

**14.2 UN proper shipping name**

**Transport by land according to ADR/RID** NO DANGEROUS GOODS

**Inland navigation (ADN)** NO DANGEROUS GOODS

**Marine transport in accordance with IMDG** NOT CLASSIFIED AS "DANGEROUS GOODS"

**Air transport in accordance with IATA** NOT CLASSIFIED AS "DANGEROUS GOODS"

Ammann Asphalt GmbH  
31061 Alfeld (Leine)

Date printed 07.02.2024, Revision 06.02.2024

Version 3.0

Page 12 / 14

#### 14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

#### 14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

#### 14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

#### 14.7 Maritime transport in bulk according to IMO instruments

not applicable

Ammann Asphalt GmbH  
31061 Alfeld (Leine)

Date printed 07.02.2024, Revision 06.02.2024

Version 3.0

Page 13 / 14

**SECTION 15: Regulatory information**

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

<b>EEC-REGULATIONS</b>	2008/98/EC 2000/532/EC; 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014; (EU) 2019/1148
- Comment on component parts	Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
- Annex I (REACH)	The product is not subject to Annex I restrictions.
- Annex XIV (REACH)	According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances $\geq 0.1\%$ that are subject to authorisation.
- Annex XVII (REACH)	According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains $\geq 0.1\%$ of substances with the following restrictions. 75  According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is not subject to any restrictions.
<b>TRANSPORT-REGULATIONS</b>	ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2024)
<b>NATIONAL REGULATIONS (DE):</b>	Hazardous Substances Ordinance - GefStoffV 21.07.2021; Detergent and Cleaning Agents Act - WRMG; Federal Water Act - WHG; Technical Rule for Hazardous Substances - TRGS: 200, 220, 615, 900, 905.
- Water hazard class	2, conf. AwSV, 18.04.2017
- Decree for case of interference, observe limits	not applicable
- Class. according to TA-Luft	5.2.1. 5.2.5.
Storage class (TRGS 510)	Storage class 11 (VCI)
- Observe employment restrictions for people	not applicable
- VOC (2010/75/CE)	<0,01 %

**15.2 Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**

**16.1 Hazard statements (SECTION 3)**

H411 Toxic to aquatic life with long lasting effects.  
H413 May cause long lasting harmful effects to aquatic life.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.

Ammann Asphalt GmbH

31061 Alfeld (Leine)

Date printed 07.02.2024, Revision 06.02.2024

Version 3.0

Page 14 / 14

## 16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ATE = acute toxicity estimate  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
EL50 = Median effective loading  
ELINCS = European List of Notified Chemical Substances  
EmS = Emergency Schedules  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
IVIS = In vitro irritation score  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
LC0 = lethal concentration, 0%  
LOAEL = lowest-observed-adverse-effect level  
LL50 = Median lethal loading  
LQ = Limited Quantities  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
NOAEL = No Observed Adverse Effect Level  
NOEC = No Observed Effect Concentration  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
STP = Sewage Treatment Plant  
TLV®/TWA = Threshold limit value – time-weighted average  
TLV®STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

## 16.3 Other information

Classification procedure

Modified position

1.3, 3.2, 8.1, 8.2, 9.1, 11.1, 11.2, 12.1, 12.2, 12.3, 12.4, 12.5, 12.6, 12.7, 15.1, 16.2, 16.3