

# SAFETY DATA SHEET



according to Regulation (EC) No 1907/2006 (REACH) as amended

## Astasol AN8009N

Creation date 22. May 2019  
Revision date Version 1.0

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

- 1.1. Product identifier**  
Substance / mixture Astasol AN8009N  
Number mixture  
AN8009N
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
Mixture's intended use For professional use only.
- The use descriptors**  
SU 24 Scientific research and development  
PC 21 Laboratory chemicals
- Mixture uses advised against The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**
- Manufacturer**  
Name or trade name Analytika, spol. s r.o.  
Address Ke Klíčovu 816/2a, Praha 9 - Vysočany, 190 00  
Czech Republic  
Identification number (CRN) 14891883  
VAT Reg No CZ14891883  
Phone +420 286 589 616  
E-mail sales@analytika.net  
Web address www.analytika.net
- Competent person responsible for the safety data sheet**  
Name Analytika, spol. s r.o.  
E-mail sales@analytika.net
- 1.4. Emergency telephone number**  
National Health Service (NHS) 111  
National poisoning information centre Scotland, NHS 24: 111

### SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**  
**Classification of the mixture in accordance with Regulation (EC) No 1272/2008**  
The mixture is classified as dangerous.
- Met. Corr. 1, H290  
Skin Corr. 1, H314
- Full text of all classifications and hazard statements is given in the section 16.
- Most serious adverse physico-chemical effects**  
May be corrosive to metals.
- Most serious adverse effects on human health and the environment**  
Causes severe skin burns and eye damage.

# SAFETY DATA SHEET



according to Regulation (EC) No 1907/2006 (REACH) as amended

## Astasol AN8009N

Creation date	22. May 2019	Version	1.0
Revision date			

### 2.2. Label elements

#### Hazard pictogram



#### Signal word

Danger

#### Hazardous substances

nitric acid

Calcium nitrate

#### Hazard statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

#### Precautionary statements

P260 Do not breathe vapours/(spray).

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a doctor.

### 2.3. Other hazards

Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

# SAFETY DATA SHEET



according to Regulation (EC) No 1907/2006 (REACH) as amended

## Astasol AN8009N

Creation date 22. May 2019  
Revision date Version 1.0

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Mixture of substances and additives specified below.

**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note.
Index: 007-004-00-1 CAS: 7697-37-2 EC: 231-714-2 Registration number: 01-2119487297-23-0070	nitric acid	2	Ox. Liq. 2, H272 Met. Corr. 1, H290 Skin Corr. 1A, H314 Acute Tox. 3, H331 EUH 071 Specific concentration limit: Skin Corr. 1A, H314: C ≥ 20 % Skin Corr. 1B, H314: 5 % ≤ C < 20 % Ox. Liq. 2, H272: C ≥ 99 % Ox. Liq. 3, H272: 65 % ≤ C < 99 % Met. Corr. 1, H290: C ≥ 1 %	1, 2
CAS: 10124-37-5 EC: 233-332-1	Calcium nitrate	0,059	Ox. Sol. 2, H272 Acute Tox. 4, H302 Eye Dam. 1, H318	3

#### Notes

- Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.
- Substance for which exposure limits of Community for working environment exist.
- The use of the substance is restricted by Annex XVII of REACH Regulation

Full text of all classifications and hazard statements is given in the section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

# SAFETY DATA SHEET



according to Regulation (EC) No 1907/2006 (REACH) as amended

## Astazol AN8009N

Creation date	22. May 2019	Version	1.0
Revision date			

### **If inhaled**

Take care of your own safety, do not let the affected person walk! Terminate the exposure immediately; move the affected person to fresh air. Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

### **If on skin**

Remove contaminated clothes. Take off any rings, watches, bracelets before or during washing if worn in the contaminated areas of the skin. Depending on the situation, call the medical rescue service and always ensure medical treatment. Rinse contaminated areas with a flow of water, lukewarm at best, for 10-30 minutes; do not use any brush, soap or neutralizers. Rinse skin with water/shower. Rinse cautiously with water for several minutes.

### **If in eyes**

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

### **If swallowed**

DO NOT INDUCE VOMITING - there is danger of further damage to the gastrointestinal tract!!! Danger of esophageal and gastric perforation! RINSE THE MOUTH WITH WATER IMMEDIATELY AND LET THE PERSON DRINK 2-5 dl of cold water to reduce the heating effect of the corrosive substance. Consuming larger amounts of liquid is not advisable as it may induce vomiting and potential inhaling of the corrosive substances in the lungs. The affected person must not be forced to drink, particularly if already feeling pain in the mouth or throat. In this case let the affected person only rinse the mouth with water. DO NOT PROVIDE ACTIVATED CARBON! Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible.

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

### **If inhaled**

Inhaling vapours can cause corrosion of the breathing system.

### **If on skin**

Causes severe skin burns.

### **If in eyes**

Causes serious eye damage.

### **If swallowed**

Corrosion of the digestion system can occur.

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

Symptomatic treatment.

### **More information**

Other information is not available.

# SAFETY DATA SHEET



according to Regulation (EC) No 1907/2006 (REACH) as amended

## Astazol AN8009N

Creation date	22. May 2019	Version	1.0
Revision date			

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

##### Unsuitable extinguishing media

Water - full jet.

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

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

#### 5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

### SECTION 6: Accidental release measures

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

May be corrosive to metals. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale aerosols. Prevent contact with skin and eyes.

#### 6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

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

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents. Absorb spillage to prevent material damage.

#### 6.4. Reference to other sections

See the Section 7, 8 and 13.

# SAFETY DATA SHEET



according to Regulation (EC) No 1907/2006 (REACH) as amended

## Astazol AN8009N

Creation date 22. May 2019  
Revision date Version 1.0

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Do not inhale aerosols. Prevent contact with skin and eyes. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

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

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Do not expose to sunlight. Store locked up. Keep only in original container.

Storage class 8B - Non-combustible corrosive substances  
Material of package HDPE (2), High-density (linear) polyethylene (Plastics)



HDPE

#### 7.3. Specific end use(s)

not available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

##### European Union

Substance name (component)	Type	Time of exposure	Value	Note	Source
nitric acid (CAS: 7697-37-2)	OEL	Short-term	2,6 mg/m <sup>3</sup>		EU limits
	OEL	Short-term	1 ppm		

##### United Kingdom of Great Britain and Northern Ireland

Substance name (component)	Type	Time of exposure	Value	Note	Source
nitric acid (CAS: 7697-37-2)	WEL	1 hour	2,6 mg/m <sup>3</sup>		GBR
	WEL	1 hour	1 ppm		

# SAFETY DATA SHEET



according to Regulation (EC) No 1907/2006 (REACH) as amended

## Astasol AN8009N

Creation date 22. May 2019  
Revision date Version 1.0

### 8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

#### Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

#### Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

#### Respiratory protection

Use a mask with filter when the exposition limits of the substances are exceeded or at the place with insufficient ventilation.

#### Thermal hazard

Not available.

#### Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

## SECTION 9: Physical and chemical properties

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

Appearance	
Physical state	liquid at 20°C
color	data not available
Odour	data not available
Odour threshold	data not available
pH	1 (undiluted)
Melting point/freezing point	data not available
Initial boiling point and boiling range	data not available
Flash point	data not available
Evaporation rate	data not available
Flammability (solid, gas)	data not available
Upper/lower flammability or explosive limits	
flammability limits	data not available
explosive limits	data not available
Vapour pressure	data not available
Vapour density	data not available
Relative density	data not available
Solubility(ies)	
solubility in water	soluble
solubility in fats	data not available
Partition coefficient: n-octanol/water	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
Viscosity	data not available
Explosive properties	data not available

# SAFETY DATA SHEET



according to Regulation (EC) No 1907/2006 (REACH) as amended

## Astazol AN8009N

Creation date	22. May 2019	Version	1.0
Revision date			
Oxidising properties		data not available	
data not available			
<b>9.2. Other information</b>			
Density		data not available	
ignition temperature		data not available	
none			

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The mixture is non-flammable.

#### 10.2. Chemical stability

The product is stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

The product is stable under normal conditions.

#### 10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

#### 10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents. Thereby a dangerous exothermic reaction will be prevented.

#### 10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous products are formed at high temperature and in fire, such as carbon monoxide and carbon dioxide, heavy smoke and nitrogen oxides.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

No toxicological data is available for the mixture.

##### Acute toxicity

Based on available data the classification criteria are not met.

Calcium nitrate

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>	OECD 423	2000 mg/kg		Rabbit	F/M

nitric acid

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Inhalation	LC <sub>50</sub>		260 mg/m <sup>3</sup>	30 min	Rat	

##### Skin corrosion/irritation

Causes severe skin burns and eye damage.

Calcium nitrate

Route of exposure	Result	Method	Time of exposure	Species
Dermal	Not irritating	OECD 404		Rabbit



# SAFETY DATA SHEET



according to Regulation (EC) No 1907/2006 (REACH) as amended

## Astazol AN8009N

Creation date 22. May 2019

Revision date

Version

1.0

### Serious eye damage/irritation

Based on available data the classification criteria are not met.

Calcium nitrate

Route of exposure	Result	Method	Time of exposure	Species
Eye	Irritating	OECD 405		Rabbit

### Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

### Germ cell mutagenicity

Based on available data the classification criteria are not met.

### Carcinogenicity

Based on available data the classification criteria are not met.

### Reproductive toxicity

Based on available data the classification criteria are not met.

nitric acid

	Parameter	Value	Time of exposure	Specific target organ	Result	Species	Sex
Developmental toxicity	TDLo	21150 mg/kg	21 day	Fetus	Fetotoxicity	Rat	

### Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

### Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

### Aspiration hazard

Based on available data the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Acute toxicity

Data for the mixture are not available.

Calcium nitrate

Parameter	Value	Time of exposure	Species	Environment	Source
LC <sub>50</sub>	98.9 mg/l	96 hour	Oncorhynchus mykiss		

# SAFETY DATA SHEET



according to Regulation (EC) No 1907/2006 (REACH) as amended

## Astazol AN8009N

Creation date 22. May 2019

Revision date

Version

1.0

nitric acid

Parameter	Value	Time of exposure	Species	Environment	Source
LD <sub>50</sub>	100-10 mg/l	96 hour			medisalar m
LC 100	25-36 mg/l		Fishes		medisalar m
TLm	72 mg/l	96 hour	Fishes (Gambusia affinis)	Freshwater	
LC 100	36 mg/l		Fishes (Lepomis macrochirus)		
LC <sub>50</sub>	33-100 mg/l	48 hour	Aquatic invertebrates (Ophryotrocha diadema)	Salt water	

### 12.2. Persistence and degradability

The substance is not biodegradable.

### 12.3. Bioaccumulative potential

Insignificant.

### 12.4. Mobility in soil

The product is soluble and mobile in water and soil. Contamination of water courses may occur in the event of rain.

### 12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

### 12.6. Other adverse effects

Data not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

#### Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

#### Waste type code

20 01 14 Acids \*

#### Packaging waste type code

15 01 10 packaging containing residues of or contaminated by hazardous substances \*

(\*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

# SAFETY DATA SHEET



according to Regulation (EC) No 1907/2006 (REACH) as amended

## Astasol AN8009N

Creation date 22. May 2019  
Revision date Version 1.0

### SECTION 14: Transport information

#### 14.1. UN number

UN 2031

#### 14.2. UN proper shipping name

NITRIC ACID

#### 14.3. Transport hazard class(es)

8 Corrosive substances

#### 14.4. Packing group

II - substances presenting medium danger

#### 14.5. Environmental hazards

not available

#### 14.6. Special precautions for user

Reference in the Sections 4 to 8.

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not available

#### Additional information

Hazard identification No.

**80** (Kemler Code)

UN number

**2031**

Classification code

C1

Safety signs

8



### SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

#### 15.2. Chemical safety assessment

not available

### SECTION 16: Other information

#### A list of standard risk phrases used in the safety data sheet

H272 May intensify fire; oxidiser.  
H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.

# SAFETY DATA SHEET



according to Regulation (EC) No 1907/2006 (REACH) as amended

## Astazol AN8009N

Creation date	22. May 2019	Version	1.0
Revision date			

H318 Causes serious eye damage.

H331 Toxic if inhaled.

### Guidelines for safe handling used in the safety data sheet

P260 Do not breathe vapours/(spray).

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a doctor.

### A list of additional standard phrases used in the safety data sheet

EUH 071 Corrosive to the respiratory tract.

### Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

### Key to abbreviations and acronyms used in the safety data sheet

ADR European agreement concerning the international carriage of dangerous goods by road

BCF Bioconcentration Factor

CAS Chemical Abstracts Service

CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures

DNEL Derived no-effect level

EC Identification code for each substance listed in EINECS

EC<sub>50</sub> Concentration of a substance when it is affected 50% of the population

EINECS European Inventory of Existing Commercial Chemical Substances

EmS Emergency plan

EU European Union

IATA International Air Transport Association

IBC International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals

IC<sub>50</sub> Concentration causing 50% blockade

ICAO International Civil Aviation Organization

IMDG International Maritime Dangerous Goods

INCI International Nomenclature of Cosmetic Ingredients

ISO International Organization for Standardization

IUPAC International Union of Pure and Applied Chemistry

LC<sub>50</sub> Lethal concentration of a substance in which it can be expected death of 50% of the population

LD<sub>50</sub> Lethal dose of a substance in which it can be expected death of 50% of the population

LOAEC Lowest observed adverse effect concentration

LOAEL Lowest observed adverse effect level

log K<sub>ow</sub> Octanol-water partition coefficient

MARPOL International Convention for the Prevention of Pollution From Ships

NOAEC No observed adverse effect concentration

# SAFETY DATA SHEET



according to Regulation (EC) No 1907/2006 (REACH) as amended

## Astasol AN8009N

Creation date	22. May 2019	Version	1.0
Revision date			

NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted no-effect concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative
Acute Tox.	Acute toxicity
Eye Dam.	Serious eye damage
Met. Corr.	Corrosive to metals
Ox. Liq.	Oxidising liquid
Skin Corr.	Skin corrosion

### Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### Recommended restrictions of use

not available

### Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. First aid principles after the exposure to the chemicals (Zásady pro poskytování první pomoci při expozici chemickým látkám, doc. MUDr. Daniela Pelclová, CSc., MUDr. Alexandr Fuchs, CSc., MUDr. Miroslava Hornyčková, CSc., MUDr. Zdeňka Trávníčková, CSc., Jiřina Fridrichovská, prom. chem.). Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

### More information

Classification procedure - calculation method.

### Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.