

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ANDEROL PQCAL

Version 1.0 Revision Date: 11.10.2023 SDS Number: 203000015418 Date of last issue: -
Country / Language: DE / 6N (EN)

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

1.1 Product identifier

Trade name : ANDEROL PQCAL
Product code : 000000000062597631
EC-No. : 232-455-8

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

Use of the Sub-stance/Mixture : Lubricant
Recommended restrictions on use : Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Company : Anderol B.V.
Groot Egtenrayseweg 23
5928 PA Venlo
Netherlands
+31 77 396 0340

Responsible Department : +49 221 8885 2288
infosds@lanxess.com

1.4 Emergency telephone number

Emergency telephone number : For 24/7 multilingual emergency please call
CHEMTREC EMEA: +44 20 3885 0382 and mention CCN
1001748.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)
Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)
No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ANDEROL PQCAL

Version 1.0 Revision Date: 11.10.2023 SDS Number: 203000015418 Date of last issue: -
Country / Language: DE / 6N (EN)

2.3 Other 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.

Ecological information: 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.

Toxicological information: 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.

SECTION 3: Composition/information on ingredients

3.1 Substances

Components

Chemical name	CAS-No. EC-No.	Classification	Concentration (% w/w)
Substances with a workplace exposure limit :			
White mineral oil (petroleum)	8042-47-5 232-455-8		>= 90 - <= 100

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Do not leave the victim unattended.
Move out of dangerous area.
Keep warm and in a quiet place.
Show this safety data sheet to the doctor in attendance.
- Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing
If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
If symptoms persist, call a physician.
- In case of skin contact : Wash off with soap and plenty of water.
Remove contaminated clothing and shoes.
- In case of eye contact : IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ANDEROL PQCAL

Version 1.0 Revision Date: 11.10.2023 SDS Number: 203000015418 Date of last issue: -
Country / Language: DE / 6N (EN)

rinsing.

If swallowed : Rinse mouth with water.
If victim is fully conscious, give a cupful of water.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.
Never give anything by mouth to an unconscious person.
Do not give milk or alcoholic beverages.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No symptoms known or expected.
See Section 11 for more detailed information on health effects and symptoms.
Get medical attention if symptoms appear.

Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.
For specialist advice physicians should contact the Poisons Information Service.
Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry powder
Sand
Water mist

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Burning produces irritant fumes.

Hazardous combustion products : Carbon dioxide (CO₂)
Carbon monoxide

5.3 Advice for firefighters

Special protective equipment : Wear full protective clothing and self-contained breathing ap-

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ANDEROL PQCAL

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11.10.2023	203000015418	Country / Language: DE / 6N (EN)

for firefighters paratus.
Further information : Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.
Evacuate personnel to safe areas.
Material can create slippery conditions.

6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.
Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8., For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.
Provide sufficient air exchange and/or exhaust in work rooms.
Handle with care.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.

Advice on common storage : No special restrictions on storage with other products.

Storage class (TRGS 510) : 10, Combustible liquids

Further information on storage stability : Stable under recommended storage conditions.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ANDEROL PQCAL

Version 1.0 Revision Date: 11.10.2023 SDS Number: 203000015418 Date of last issue: -
Country / Language: DE / 6N (EN)

7.3 Specific end use(s)

Specific use(s) : Lubricant

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
White mineral oil (petroleum)	8042-47-5	AGW (Alveolate fraction)	5 mg/m ³	DE TRGS 900
Peak-limit: excursion factor (category): 4;(II)				
Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child				

8.2 Exposure controls

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective equipment

Eye/face protection : Eye wash bottle with pure water
Tightly fitting safety goggles

Safety glasses with side-shields conforming to EN166

Hand protection

Material : Polyvinyl alcohol or nitrile- butyl-rubber gloves

Remarks : Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Before removing gloves clean them with soap and water. Request information on glove permeation properties from the glove supplier.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Skin and body protection : Wear suitable protective clothing.
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Impervious clothing

Respiratory protection : No personal respiratory protective equipment normally required.

Respirator selection must be based on known or anticipated

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ANDEROL PQCAL

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11.10.2023	203000015418	Country / Language: DE / 6N (EN)

exposure levels, the hazards of the product and the safe working limits of the selected respirator.

In the case of vapour formation use a respirator with an approved filter.

In the case of dust or aerosol formation use respirator with an approved filter.

Respirator with combination filter for vapour/particulate (EN 141)

Protective measures : Please follow all applicable local/national requirements when selecting protective measures for a specific workplace. These recommendations apply to the product as supplied.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Physical state	: liquid
Colour	: clear
Odour	: odourless
Odour Threshold	: No data available
Pour point	: -15 °C
Boiling point/boiling range	: > 340 °C
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Flash point	: 245 °C Method: Cleveland open cup
Ignition temperature	: No data available
Decomposition temperature	: No data available
Self-Accelerating decomposition temperature (SADT)	: No data available
pH	: No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

ANDEROL PQCAL

Version 1.0 Revision Date: 11.10.2023 SDS Number: 203000015418 Date of last issue: -
Country / Language: DE / 6N (EN)

Viscosity
Viscosity, dynamic : No data available
Viscosity, kinematic : 32 - 40 mm²/s (40 °C)
Method: ASTM D 445

Solubility(ies)
Water solubility : insoluble
Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Vapour pressure : No data available
Relative density : No data available
Density : 0,874 g/cm³ (0 °C)
Relative vapour density : No data available

9.2 Other information

Explosives : No data available
Oxidizing properties : No data available
Flammability (liquids) : No data available
Self-ignition : No data available
Self-heating substances : No data available
Evaporation rate : No data available
Miscibility with water : No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

ANDEROL PQCAL

Version 1.0 Revision Date: 11.10.2023 SDS Number: 203000015418 Date of last issue: -
Country / Language: DE / 6N (EN)

Hazardous reactions : No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : Contamination
Strong sunlight for prolonged periods.
Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

SECTION 11: Toxicological information

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

Acute toxicity

Not classified based on available information.

Components:

White mineral oil (petroleum):

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2.000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: No mortality observed at this dose.

Skin corrosion/irritation

Not classified based on available information.

Components:

White mineral oil (petroleum):

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ANDEROL PQCAL

Version 1.0 Revision Date: 11.10.2023 SDS Number: 203000015418 Date of last issue: -
Country / Language: DE / 6N (EN)

Serious eye damage/eye irritation

Not classified based on available information.

Components:

White mineral oil (petroleum):

Species : Rabbit
Method : OECD Test Guideline 405
Result : No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

White mineral oil (petroleum):

Test Type : Buehler Test
Exposure routes : Skin contact
Species : Guinea pig
Result : Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Not classified based on available information.

Components:

White mineral oil (petroleum):

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Mouse (male and female)
Cell type: Bone marrow
Application Route: Intraperitoneal
Method: OECD Test Guideline 474
Result: negative
Remarks: Information given is based on data obtained from similar substances.

Carcinogenicity

Not classified based on available information.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ANDEROL PQCAL

Version 1.0 Revision Date: 11.10.2023 SDS Number: 203000015418 Date of last issue: -
Country / Language: DE / 6N (EN)

Reproductive toxicity

Not classified based on available information.

Components:

White mineral oil (petroleum):

Effects on fertility : Species: Rat, male and female
Application Route: Oral
Dose: > 4350 milligram per kilogram
Symptoms: No effect level.
Method: OECD Test Guideline 415

Effects on foetal development : Test Type: Pre-natal
Species: Rat, female
Application Route: Oral
Dose: 5000 milligram per kilogram
General Toxicity Maternal: NOAEL: >= 5.000 mg/kg bw/day
Developmental Toxicity: NOAEL: >= 5.000 mg/kg bw/day
Method: OECD Test Guideline 414
Result: No adverse effects

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

White mineral oil (petroleum):

Species : Rat, male and female
NOAEL : 1.800 mg/kg
Application Route : Oral
Exposure time : 90 d
Dose : 1800 mg/kg
Method : OECD Test Guideline 408
Remarks : Chronic toxicity

Aspiration toxicity

Not classified based on available information.

Components:

White mineral oil (petroleum):

No aspiration toxicity classification

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

ANDEROL PQCAL

Version 1.0 Revision Date: 11.10.2023 SDS Number: 203000015418 Date of last issue: -
Country / Language: DE / 6N (EN)

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : 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.

Further information

Product:

Remarks : The product itself has not been tested.

SECTION 12: Ecological information

12.1 Toxicity

Components:

White mineral oil (petroleum):

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l
Exposure time: 96 h
Analytical monitoring: no
Method: OECD Test Guideline 203
Remarks: water extractable fraction

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Analytical monitoring: no
Method: OECD Test Guideline 202
Remarks: water extractable fraction

Toxicity to algae/aquatic plants : NOELR (Pseudokirchneriella subcapitata (microalgae)): > 100 mg/l
End point: Growth rate
Exposure time: 72 h
Analytical monitoring: No information available.
Method: OECD Test Guideline 201
Remarks: water extractable fraction

12.2 Persistence and degradability

Components:

White mineral oil (petroleum):

Biodegradability : Test Type: aerobic
Concentration: 44 mg/l

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ANDEROL PQCAL

Version 1.0 Revision Date: 11.10.2023 SDS Number: 203000015418 Date of last issue: -
Country / Language: DE / 6N (EN)

Result: Inherently biodegradable.
Biodegradation: 31 %
Exposure time: 28 d
Method: OECD Test Guideline 301F
GLP: yes
Remarks: Information given is based on data obtained from similar substances.

12.3 Bioaccumulative potential

Components:

White mineral oil (petroleum):

Partition coefficient: n-octanol/water : log Pow: > 6

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : 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.

12.6 Endocrine disrupting properties

Product:

Assessment : 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

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. This product has no known ecotoxicological effects. The product itself has not been tested. Avoid release to the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of wastes in an approved waste disposal facility.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ANDEROL PQCAL

Version 1.0 Revision Date: 11.10.2023 SDS Number: 203000015418 Date of last issue: -
Country / Language: DE / 6N (EN)

In accordance with local and national regulations.
Can be landfilled or incinerated, when in compliance with local regulations.

Contaminated packaging : Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number or ID number

ADN : Not regulated as a dangerous good
ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA : Not regulated as a dangerous good

14.2 UN proper shipping name

ADN : Not regulated as a dangerous good
ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA : Not regulated as a dangerous good

14.3 Transport hazard class(es)

ADN : Not regulated as a dangerous good
ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA : Not regulated as a dangerous good

14.4 Packing group

ADN : Not regulated as a dangerous good
ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA (Cargo) : Not regulated as a dangerous good
IATA (Passenger) : Not regulated as a dangerous good

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ANDEROL PQCAL

Version 1.0 Revision Date: 11.10.2023 SDS Number: 203000015418 Date of last issue: -
Country / Language: DE / 6N (EN)

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Hazard and Handling Notes. : Not dangerous cargo.
Keep separated from foodstuffs.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

- REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Not applicable
- International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : Not applicable
- REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
- Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable
- Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable
- Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors. : Neither banned nor restricted
- Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable
- REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ANDEROL PQCAL

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11.10.2023	203000015418	Country / Language: DE / 6N (EN)

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
Not applicable

Water hazard class (Germany) : WGK 1 slightly hazardous to water
Code Number: 434
Classification according to AwSV § 6 (4)

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

Full text of H-Statements

Full text of other abbreviations

DE TRGS 900 : Germany. TRGS 900 - Occupational exposure limit values.
DE TRGS 900 / AGW : Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECL -

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ANDEROL PQCAL

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11.10.2023	203000015418	Country / Language: DE / 6N (EN)

Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

The data contained in this Safety Data Sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered to be a guidance for processing and does not contain any warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. It is the responsibility of the recipient of the product to ensure that any proprietary rights and existing laws and legislation are observed.

Relevant changes from the previous version are marked on the left side of the Safety Data Sheet with a black double bar in appropriate places.