Nabaltec AG
92409 Schwandorf

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

1.1 Product identifier

ACTILOX® PA14

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

1.2.1 Relevant uses

Additive, filler, process aid

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

Nabaltec AG
Postfach 1860
92409 Schwandorf / GERMANY
Phone +49 (0) 9431-53-0
Fax +49 (0) 9431-53-289
Homepage www.nabaltec.de
E-mail info@nabaltec.de

Address enquiries to

Technical information info@nabaltec.de

Safety Data Sheet sdb@chemiebuero.de (No dispatch of safety data sheets)

Safety data sheets are available from the supplier.

1.4 Emergency telephone number

Company

+49 (0)9431 53222 (24h)
+49 (0)9431 530 (24h)

SECTION 2: Hazards identification

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

No classification.

2.2 Label elements

Hazard pictograms

Hazard statements none

Precautionary statements Although this product does not require a hazard warning label, we recommend that the safety advice should be observed.
P284 In case of inadequate ventilation wear respiratory protection.

2.3 Other hazards

Human health dangers Frequent persistent contact with the skin can cause skin irritation.
Prolonged and excessive contact can cause irritation of the respiratory tract.

Environmental hazards Does not contain any PBT or vPvB substances.

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

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
> 30	Polydimethylsiloxane
	CAS: 63148-62-9, EINECS/ELINCS: 613-156-5
> 30	Boehmite (Al(OH)O)
	CAS: 1318-23-6, EINECS/ELINCS: 215-284-3, Reg-No.: 01-2119555298-28-XXXX
> 30	Silicium dioxide
	CAS: 112926-00-8/7631-86-9, EINECS/ELINCS: 231-545-4, Reg-No.: 01-2119379499-16-XXXX

Comment on component parts No dangerous components.

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.
In the event of symptoms seek medical treatment.

Skin contact When in contact with the skin, clean 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 Rinse out mouth and give plenty of water to drink.
In the event of symptoms seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.

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.

5.3 Advice for firefighters

Use self-contained breathing apparatus.

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use breathing apparatus if exposed to dust.
Avoid dust formation.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Take up mechanically. Avoid production of dust.
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid the formation and deposition of dust.
Provide vacuuming if dust raised.

After worktime and before work breaks the affected skin areas must be thoroughly cleaned.
Use barrier skin cream.
Do not eat, drink, smoke or take drugs at work.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Prevent penetration into the ground.

Do not store together with food and animal food/diet.

Store in a dry place.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

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

not relevant

DNEL

Substance
Boehmite (Al(OH)O), CAS: 1318-23-6
Industrial, inhalative, Long-term - local effects, 3.59 mg/m³
general population, oral, Long-term - systemic effects, 2.37 mg/kg bw/day
Silicium dioxide, CAS: 112926-00-8/7631-86-9
There are no DNEL values established for the substance.

PNEC

Substance
Boehmite (Al(OH)O), CAS: 1318-23-6
freshwater, 74.9 µg/L
sewage treatment plants (STP), 20 mg/L
Silicium dioxide, CAS: 112926-00-8/7631-86-9
There are no PNEC values established for the substance.

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation. Pay attention to dust limit value (ACGIH-2011: 10 mg/m³ particle inhalable; 1,25 mg/m³ particle respirable). 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.
Eye protection	Safety glasses. (EN 166:2001)
Hand protection	0.4mm Nitrile rubber, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	Protective clothing (EN 340)
Other	Do not inhale dust. Avoid contact with eyes and skin.
Respiratory protection	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, filter P2. (DIN EN 143)
Thermal hazards	none
Delimitation and monitoring of the environmental exposition	Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solid
Form	powder
Color	white
Odor	odourless
Odour threshold	not applicable
pH-value	8 - 9. (aqueous suspension)
pH-value [1%]	not applicable
Boiling point [°C]	not relevant
Flash point [°C]	not applicable
Flammability	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not applicable
Density [g/cm³]	2.4 (20 °C / 68,0 °F)
Relative density	not determined
Bulk density [kg/m³]	not determined
Solubility in water	<0.00009 g/l (20°C)
Solubility other solvents	No information available.
Partition coefficient [n-octanol/water]	not applicable
Kinematic viscosity	not applicable
Relative vapour density	not applicable
Evaporation speed	not applicable
Melting point [°C]	not relevant
Auto-ignition temperature [°C]	not self-igniting
Decomposition temperature [°C]	> 200
Particle characteristics	not relevant

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

The product is stable under standard conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

Strong heating, because the thermal decomposition starts from 200°C.

10.5 Incompatible materials

not relevant

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

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

Acute oral toxicity

Product
ATE-mix, oral, > 5000 mg/kg

Substance
Boehmite (Al(OH)O), CAS: 1318-23-6
LD50, oral, Rat, > 2000 mg/kg bw
NOAEL, oral, Rat, 30 mg/kg bw/day chronic (analogon)
Silicium dioxide, CAS: 112926-00-8/7631-86-9
LD50, oral, Rat, > 5000 mg/kg, OECD 401
Polydimethylsiloxane, CAS: 63148-62-9
LD50, oral, Rat, > 48500 mg/kg

Acute dermal toxicity

Product
ATE-mix, dermal, > 2000 mg/kg

Substance
Silicium dioxide, CAS: 112926-00-8/7631-86-9
LD50, dermal, Rabbit, > 5000 mg/kg (Lit.)
Polydimethylsiloxane, CAS: 63148-62-9
LD50, dermal, Rat, > 2000 mg/kg

Acute inhalational toxicity

Product
ATE-mix, inhalativ (dust), > 5 mg/L 4h

Substance
Boehmite (Al(OH)O), CAS: 1318-23-6
LC50, inhalative, Rat, 7.6 mg/l 4h
NOAEC, inhalative, Rat, 70 mg/m³ subchronic (analogon)
Silicium dioxide, CAS: 112926-00-8/7631-86-9
LC0, inhalative, Rat, 0.69 mg/L 4h

Serious eye damage/irritation Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Substance
Boehmite (Al(OH)O), CAS: 1318-23-6
Eye, non-irritating
Silicium dioxide, CAS: 112926-00-8/7631-86-9
Eye, non-irritating
Polydimethylsiloxane, CAS: 63148-62-9
Eye, Slight irritant effect - does not require labelling.

Skin corrosion/irritation Does not contain a relevant substance that meets the classification criteria.

Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Substance
Boehmite (Al(OH)O), CAS: 1318-23-6
dermal, non-irritating
Silicium dioxide, CAS: 112926-00-8/7631-86-9
dermal, non-irritating
Polydimethylsiloxane, CAS: 63148-62-9
dermal, non-irritating

Respiratory or skin sensitisation

Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Substance
Boehmite (Al(OH)O), CAS: 1318-23-6
inhalative, non-sensitizing
dermal, non-sensitizing
Polydimethylsiloxane, CAS: 63148-62-9
dermal, Guinea pig, non-sensitizing

Specific target organ toxicity — single exposure

Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Substance
Boehmite (Al(OH)O), CAS: 1318-23-6
inhalative, non-irritating

Specific target organ toxicity — repeated exposure

Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Substance
Boehmite (Al(OH)O), CAS: 1318-23-6
inhalative, no adverse effect observed
oral, no adverse effect observed

Mutagenicity

Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Reproduction toxicity

Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Carcinogenicity

Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Aspiration hazard

Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.

General remarks

none

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

11.2.2 Other information

SECTION 12: Ecological information

12.1 Toxicity

Substance
Boehmite (Al(OH)O), CAS: 1318-23-6
LC50, Salmo trutta, > 100 mg/l
EC50, Daphnia magna, > 100 mg/l
EC50, Selenastrum capricornutum, > 100 mg/l
Silicium dioxide, CAS: 112926-00-8/7631-86-9
LC50, (96h), Brachidanio rerio, > 10000 mg/l (OECD 203)
EC50, (24h), Daphnia magna, > 10000 mg/l (OECD 202)
Polydimethylsiloxane, CAS: 63148-62-9
LC50, (96h), fish, > 100 mg/L
EC50, (14d), Algae, > 2000 mg/L
EC50, (48h), Daphnia magna, > 100 mg/L

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Biological degradability	not determined

12.3 Bioaccumulative potential

Accumulation in organisms is not expected.

12.4 Mobility in soil

not determined

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

12.7 Other adverse effects

None known.

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

For recycling, consult manufacturer.

Waste no. (recommended) 061399

Contaminated packaging

Uncontaminated packaging may be reused.
Uncontaminated packaging may be taken for recycling.

Waste no. (recommended) 150101
150102

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"

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

SECTION 15: Regulatory information

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

EEC-REGULATIONS	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 ≥ 0.1% that are subject to authorisation.
- Annex XVII (REACH)	According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances ≥ 0.1% that are restricted. According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is not subject to any restrictions.
TRANSPORT-REGULATIONS	ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2023)
NATIONAL REGULATIONS (EU):	
- Observe employment restrictions for people	no
- VOC (2010/75/CE)	0 %

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 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

16.2 Other information

This document does not comply with Regulation (EC) No 1907/2006, article 31 (5) and may be used for internal purposes only.

Classification procedure

Modified position SECTION 11 been added: Contains no ingredients with endocrine-disrupting properties.

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