



Rudolf Hensel GmbH
21039 Börnsen

Date printed 22.06.2026, Revision 15.04.2026

Version 1.0

Page 1 / 14

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

1.1 Product identifier

HENSOTHERM® 921 KS Härter

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

1.2.1 Relevant uses

Fire retardant coating
Contains nano compounds

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

Rudolf Hensel GmbH
Lauenburger Landstr. 11
21039 Börnsen / GERMANY
Phone +49 (0)40-72 10 62 10
Fax +49 (0)40-72 10 62 52
Homepage www.rudolf-hensel.de
E-mail info@rudolf-hensel.de

Address enquiries to

Technical information

info@rudolf-hensel.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)40-72 10 62 10 (7:00 - 17:00) 0172 4115390 (17:00 - 07:00)

SECTION 2: Hazards identification

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

Skin Corr. 1C: H314 Causes severe skin burns and eye damage.
Eye Dam. 1: H318 Causes serious eye damage.
Skin Sens. 1: H317 May cause an allergic skin reaction.
Aquatic Acute 1: H400 Very toxic to aquatic life.
Aquatic Chronic 1: H410 Very toxic to aquatic life with long lasting effects.

Rudolf Hensel GmbH
21039 Börnsen

Date printed 22.06.2026, Revision 15.04.2026

Version 1.0

Page 2 / 14

2.2 Label elements

Hazard pictograms



Signal word

DANGER

Contains:

Fatty acids, C18-unsatd., reaction products with tetraethylenepentamine
2,4,6-tris(dimethylaminomethyl)phenol

Amines, polyethylenepoly-, tetraethylenepentamine fraction

Hazard statements

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe vapours / spray.

P273 Avoid release to the environment.

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 POISON CENTER / doctor.

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

P362+P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local/national regulation.

2004/42/CE

< 5 g/l II A j SB Two-pack reactive performance coatings (max. 500 g/l)

2.3 Other hazards

Human health dangers

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.

Environmental hazards

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.

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.

Other hazards

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

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable



Rudolf Hensel GmbH
21039 Börnsen

Date printed 22.06.2026, Revision 15.04.2026

Version 1.0

Page 3 / 14

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
30 - <50	Fatty acids, C18-unsatd., reaction products with tetraethylenepentamine CAS: 1226892-45-0, EINECS/ELINCS: 629-725-6, Reg-No.: 01-2119487006-38-XXXX GHS/CLP: Skin Corr. 1C: H314 - Skin Sens. 1A: H317 - Eye Dam. 1: H318 - Aquatic Chronic 1: H410 - Aquatic Acute 1: H400, M-Factor (acute): 10, M-Factor (chronic): 1
3 - <10	2,4,6-tris(dimethylaminomethyl)phenol CAS: 90-72-2, EINECS/ELINCS: 202-013-9, EU-INDEX: 603-069-00-0, Reg-No.: 01-2119560597-27-XXXX GHS/CLP: Acute Tox. 4: H302 - Skin Corr. 1C: H314 - Eye Dam. 1: H318
0,1 - <1	Amines, polyethylenepoly-, tetraethylenepentamine fraction CAS: 90640-66-7, EINECS/ELINCS: 292-587-7, EU-INDEX: 612-060-00-0 GHS/CLP: Acute Tox. 4: H302 H312 - Skin Corr. 1B: H314 - Eye Dam. 1: H318 - Skin Sens. 1: H317 - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410

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

Remove person to fresh air and keep comfortable for breathing.
In the event of symptoms seek medical treatment.

Skin contact

In case of contact with skin wash off immediately with soap and water.
Immediate medical treatment necessary, as untreated burns can result in slow-healing wounds.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Consult a doctor immediately.

Ingestion

Consult a doctor immediately.
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
Product is caustic.

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

Water spray jet.
Carbon dioxide.
Foam.
Dry powder.

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 with the local regulations.



Rudolf Hensel GmbH
21039 Börnsen

Date printed 22.06.2026, Revision 15.04.2026

Version 1.0

Page 4 / 14

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

High risk of slipping due to leakage/spillage of product.

Use personal protective equipment (protective gloves, safety glasses, protective clothing).

6.2 Environmental precautions

In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

Avoid disposing down drains or into waterways, as this can lead to environmental contamination.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth).

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

Use only in well-ventilated areas.

Utilize systems to contain material, thereby minimizing the release of it into the environment.

Do not eat, drink, smoke or snuff while working.

Take off contaminated clothing and wash before reuse.

Use barrier skin cream.

After worktime and before work breaks the affected skin areas must be thoroughly cleaned.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Prevent penetration into the ground.

Store tightly closed to minimize the risk of spilling during storage and transfer.

Do not store together with oxidizing agents.

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

Keep container tightly closed.

Keep container in a well-ventilated place.

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

Storage class (TRGS 510)

Storage class 8B (VCI)

7.3 Specific end use(s)

See product use, SECTION 1.2



Rudolf Hensel GmbH
21039 Börnsen

Date printed 22.06.2026, Revision 15.04.2026

Version 1.0

Page 5 / 14

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

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

not relevant

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

not relevant

DNEL

Substance
2,4,6-tris(dimethylaminomethyl)phenol, CAS: 90-72-2
Industrial, inhalative, Long-term - systemic effects, 0,53 mg/m ³
Industrial, inhalative, Acute - systemic effects, 2,1 mg/m ³
Industrial, dermal, Long-term - systemic effects, 0,15 mg/kg bw/day
Industrial, dermal, Acute - systemic effects, 0,6 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 0,13 mg/m ³
general population, inhalative, Acute - systemic effects, 0,13 mg/m ³
general population, dermal, Long-term - systemic effects, 0,075 mg/kg bw/day
general population, dermal, Acute - systemic effects, 0,075 mg/kg bw/day
general population, oral, Long-term - systemic effects, 0,075 mg/kg bw/day
Fatty acids, C18-unsatd., reaction products with tetraethylenepentamine, CAS: 1226892-45-0
Industrial, inhalative, Long-term - systemic effects, 9,87 mg/m ³
Industrial, dermal, Long-term - systemic effects, 1,4 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 1,74 mg/m ³
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

PNEC

Substance
2,4,6-tris(dimethylaminomethyl)phenol, CAS: 90-72-2
freshwater, 0,046 mg/L
seawater, 0,005 mg/L
sewage treatment plants (STP), 0,2 mg/L
sediment (freshwater), 0,262 mg/kg sediment dw
sediment (seawater), 0,026 mg/kg sediment dw
soil, 0,025 mg/kg soil dw
Fatty acids, C18-unsatd., reaction products with tetraethylenepentamine, CAS: 1226892-45-0
freshwater, 30,7 µg/L
seawater, 3,07 µg/L
sewage treatment plants (STP), 2,3 mg/L
sediment (freshwater), 119,8 mg/kg
sediment (seawater), 11,98 mg/kg
soil, 9,44 mg/kg
oral (food), 20 mg/kg



Rudolf Hensel GmbH
21039 Börnsen

Date printed 22.06.2026, Revision 15.04.2026

Version 1.0

Page 6 / 14

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation. 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	0,4 mm Butyl 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	Avoid contact with eyes and skin. 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. Do not breathe vapour/spray. Avoid contact during pregnancy/ while nursing.
Respiratory protection	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)
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	liquid
Form	liquid
Color	No information available.
Odor	characteristic
Odour threshold	not relevant
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point or initial boiling point and boiling range [°C]	not determined
Flash point [°C]	not applicable
Flammability	The product is not combustible.
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/cm³]	No information available.
Relative density	not determined
Bulk density [kg/m³]	not applicable
Solubility in water [g/L]	insoluble
Solubility other solvents	No information available.
Partition coefficient n-octanol/water (log value)	not determined
Kinematic viscosity	No information available.
Relative vapour density	not determined
Melting point [°C]	not determined
Auto-ignition temperature [°C]	not applicable
Decomposition temperature [°C]	not determined
Particle characteristics	not applicable

9.2 Other information

none



Rudolf Hensel GmbH
21039 Börnsen

Date printed 22.06.2026, Revision 15.04.2026

Version 1.0

Page 7 / 14

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

Reactions with strong oxidizing agents, strong acids and alkalis.

10.4 Conditions to avoid

See SECTION 7

10.5 Incompatible materials

Oxidizing agent

Acids

Alkalies

10.6 Hazardous decomposition products

No hazardous decomposition products known.

Rudolf Hensel GmbH
21039 Börnsen

Date printed 22.06.2026, Revision 15.04.2026

Version 1.0

Page 8 / 14

SECTION 11: Toxicological information

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

Acute oral toxicity

Product
ATE-mix, oral, > 2000 mg/kg
Substance
2,4,6-tris(dimethylaminomethyl)phenol, CAS: 90-72-2
LD50, oral, Rat, 2169 mg/kg, OECD 401
ATE, oral, 500 mg/kg
Fatty acids, C18-unsatd., reaction products with tetraethylenepentamine, CAS: 1226892-45-0
LD50, oral, Rat (female), 2500 mg/kg

Acute dermal toxicity

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

Acute inhalational toxicity

Product
ATE-mix, inhalation (vapour), > 20 mg/l 4h

Serious eye damage/irritation

Based on the available information, the classification criteria are fulfilled.
Product is caustic.
Calculation method

Substance
2,4,6-tris(dimethylaminomethyl)phenol, CAS: 90-72-2
Eye, Causes serious eye damage.
Fatty acids, C18-unsatd., reaction products with tetraethylenepentamine, CAS: 1226892-45-0
Eye, Causes serious eye damage.

Skin corrosion/irritation

Based on the available information, the classification criteria are fulfilled.
Product is caustic.
Calculation method

Substance
2,4,6-tris(dimethylaminomethyl)phenol, CAS: 90-72-2
dermal, OECD 404, corrosive
Fatty acids, C18-unsatd., reaction products with tetraethylenepentamine, CAS: 1226892-45-0
dermal, corrosive

Respiratory or skin sensitisation

Based on the available information, the classification criteria are fulfilled.
May cause an allergic skin reaction.
Calculation method

Substance
2,4,6-tris(dimethylaminomethyl)phenol, CAS: 90-72-2
dermal, Guinea pig, OECD 406, non-sensitizing
Fatty acids, C18-unsatd., reaction products with tetraethylenepentamine, CAS: 1226892-45-0
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
2,4,6-tris(dimethylaminomethyl)phenol, CAS: 90-72-2
NOAEL, oral, Rat, 15 mg/kg bw/day (subchronic), The effects observed are not sufficient for classification.



Rudolf Hensel GmbH
21039 Börnsen

Date printed 22.06.2026, Revision 15.04.2026

Version 1.0

Page 9 / 14

Fatty acids, C18-unsatd., reaction products with tetraethylenepentamine, CAS: 1226892-45-0
NOAEL, oral, Rat, 300 mg/kg bw/day (subacute), no adverse effect observed

Mutagenicity

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

Substance
2,4,6-tris(dimethylaminomethyl)phenol, CAS: 90-72-2
in vitro, OECD 471, negative
in vitro, OECD 473, negative
in vitro, OECD 476, negative
Fatty acids, C18-unsatd., reaction products with tetraethylenepentamine, CAS: 1226892-45-0
in vitro, no adverse effect observed

Reproduction toxicity

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

- Fertility

Substance
2,4,6-tris(dimethylaminomethyl)phenol, CAS: 90-72-2
NOAEL, Rat, 150 mg/kg bw/day (subchronic), no adverse effect observed
Fatty acids, C18-unsatd., reaction products with tetraethylenepentamine, CAS: 1226892-45-0
NOAEL, oral, Rat, 300 mg/kg bw/day (subacute), no adverse effect observed

- Development

Substance
2,4,6-tris(dimethylaminomethyl)phenol, CAS: 90-72-2
NOAEL, Rat, 150 mg/kg bw/day (subchronic), no adverse effect observed
Fatty acids, C18-unsatd., reaction products with tetraethylenepentamine, CAS: 1226892-45-0
NOAEL, oral, Rat, 300 mg/kg bw/day (subacute), no adverse effect observed

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

The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists.
Toxicological data of complete product are not available.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Does not contain a relevant substance that meets the classification criteria.

11.2.2 Other information

none

SECTION 12: Ecological information

12.1 Toxicity

Substance
2,4,6-tris(dimethylaminomethyl)phenol, CAS: 90-72-2
LC50, (96h), Cyprinus carpio, 175 mg/l, OECD 203
LC50, (48h), Daphnia magna, > 100 mg/l, OECD 202
EC50, (72h), Algae, 46,7 mg/l, OECD 201
EC50, (72h), Desmodesmus subspicatus, 84 mg/l, OECD 201
NOEC, (28d), Activated sludge, 2 mg/l, OECD 301 D
NOEC, (72h), Algae, 6,44 mg/l, OECD 201
Fatty acids, C18-unsatd., reaction products with tetraethylenepentamine, CAS: 1226892-45-0
LC50, (96h), Danio rerio, 0,19 mg/L OECD TG 203
EC50, (48h), Daphnia magna, 0,18 mg/L OECD TG 202
EC50, (72h), Pseudokirchneriella subcapitata, 0,638 mg/L OECD TG 201

Rudolf Hensel GmbH
21039 Börnsen

Date printed 22.06.2026, Revision 15.04.2026

Version 1.0

Page 10 / 14

12.2 Persistence and degradability

Behaviour in environment compartments not determined

Behaviour in sewage plant not determined

Biological degradability not determined

Substance
2,4,6-tris(dimethylaminomethyl)phenol, CAS: 90-72-2
(28d), 4 %, OECD 301 D, The product is not readily biodegradable.
Fatty acids, C18-unsatd., reaction products with tetraethylenepentamine, CAS: 1226892-45-0
(28d), 24 %, OECD 301 D

12.3 Bioaccumulative potential

Accumulation in organisms is not expected.

Substance
2,4,6-tris(dimethylaminomethyl)phenol, CAS: 90-72-2
log Kow, 0,219
Fatty acids, C18-unsatd., reaction products with tetraethylenepentamine, CAS: 1226892-45-0
log Kow, 2,2 (25°C)

12.4 Mobility in soil

Spillages may penetrate the soil causing ground water contamination.

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

Dispose of as hazardous waste.
Disposal in an incineration plant in accordance with the regulations of the local authorities.
Dispose of the product in compliance with local, regional, and national regulations regarding plastic waste.
Ensure that the material is properly contained during disposal to prevent any spillage into the environment, particularly into watercourses or water bodies.
Do not dispose it in the environment or via household waste systems.

Waste no. (recommended) 080111*

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

Rudolf Hensel GmbH
21039 Börnsen

Date printed 22.06.2026, Revision 15.04.2026

Version 1.0

Page 11 / 14

SECTION 14: Transport information

14.1 UN number or ID number

Transport by land according to ADR/RID 2735

Inland navigation (ADN) 2735

Marine transport in accordance with IMDG 2735

Air transport in accordance with IATA 2735

14.2 UN proper shipping name

Transport by land according to ADR/RID Amines, liquid, corrosive, n.o.s. (Fatty acids C18 unsat, reaction products with tetraethylenepentamine, 2,4,6-Tris(dimethylaminomethyl)phenol)

- Classification Code C7

- Label



- ADR LQ

5 I

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 3 (E)

Inland navigation (ADN)

Amines, liquid, corrosive, n.o.s. (Fatty acids C18 unsat, reaction products with tetraethylenepentamine, 2,4,6-Tris(dimethylaminomethyl)phenol)

- Classification Code C7

- Label



Marine transport in accordance with IMDG

Amines, liquid, corrosive, n.o.s. (Fatty acids C18 unsat, reaction products with tetraethylenepentamine, 2,4,6-Tris(dimethylaminomethyl)phenol)

- EMS

F-A, S-B

- Label



- IMDG LQ

5 I

Air transport in accordance with IATA

Amines, liquid, corrosive, n.o.s. (Fatty acids C18 unsat, reaction products with tetraethylenepentamine, 2,4,6-Tris(dimethylaminomethyl)phenol)

- Label



14.3 Transport hazard class(es)

Transport by land according to ADR/RID 8

Inland navigation (ADN) 8

Marine transport in accordance with IMDG 8

Air transport in accordance with IATA 8



Rudolf Hensel GmbH
21039 Börnsen

Date printed 22.06.2026, Revision 15.04.2026

Version 1.0

Page 12 / 14

14.4 Packing group

Transport by land according to ADR/RID III

Inland navigation (ADN) III

Marine transport in accordance with IMDG III

Air transport in accordance with IATA III

14.5 Environmental hazards

Transport by land according to ADR/RID yes

Inland navigation (ADN) yes

Marine transport in accordance with IMDG MARINE POLLUTANT

Air transport in accordance with IATA yes

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/EG (2000/532/EC); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EWG ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 2024/573; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707
- Comment on component parts	Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
- 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, 78 According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is subject to the following restrictions. 3
TRANSPORT-REGULATIONS	ADR (2025); IMDG-Code (2025, 42. Amdt.); IATA-DGR (2026, 67th Edition)
NATIONAL REGULATIONS (DE):	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	yes
- Class. according to TA-Luft	5.2.5.
- Storage class (TRGS 510)	Storage class 8B (VCI)
- Observe employment restrictions for people	Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.
- VOC (2010/75/CE)	< 5 g/l
- Other regulations	TRGS 401: Hazards due to skin contact. - Identification, assessment, measures. TRGS 510: Storage of hazardous substances in non-stationary containers TRGS 907: Verzeichnis sensibilisierender Stoffe.

Rudolf Hensel GmbH
21039 Börnsen

Date printed 22.06.2026, Revision 15.04.2026

Version 1.0

Page 13 / 14

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

H302+H312 Harmful if swallowed or in contact with skin.

H302 Harmful if swallowed.

H410 Very toxic to aquatic life with long lasting effects.

H400 Very toxic to aquatic life.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H314 Causes severe skin burns and eye damage.

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

Skin Corr. 1C: H314 Causes severe skin burns and eye damage. (Calculation method)

Eye Dam. 1: H318 Causes serious eye damage. (Calculation method)

Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)

Aquatic Acute 1: H400 Very toxic to aquatic life. (Calculation method)

Aquatic Chronic 1: H410 Very toxic to aquatic life with long lasting effects. (Calculation method)

Modified position

none



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Page 14 / 14

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