

Delu Ako Minky GmbH
53619 Rheinbreitbach

Date printed 13.09.2021, Revision 29.09.2020

Version 06. Supersedes version: 05

Page 1 / 16

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

1.1 Product identifier

Kupfer + Messing Polierschaum mit Anlaufschutz

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

1.2.1 Relevant uses

Cleaning agent

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

Delu Ako Minky GmbH
Hauptstraße 103
53619 Rheinbreitbach / GERMANY
Phone (+49) 02224-1800-0
Fax (+49) 02224-1800-90
Homepage www.delu.de
E-mail info@delu.de

Address enquiries to

Technical information

info@delu.de

Safety Data Sheet

sdb@chemiebuero.de

1.4 Emergency telephone number

Advisory body

+49 (0) 551-19240 (24h, available English / German)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (GB) CLP]

Skin Irrit. 2: H315 Causes skin irritation.
Eye Dam. 1: H318 Causes serious eye damage.
Skin Sens. 1: H317 May cause an allergic skin reaction.
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects.

Delu Ako Minky GmbH
53619 Rheinbreitbach

Date printed 13.09.2021, Revision 29.09.2020

Version 06. Supersedes version: 05

Page 2 / 16

2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.	
Hazard pictograms	  
Signal word	DANGER
Contains:	Citric acid monohydrate Alkylethersulphate sodium salt Dodecylmercaptane
Hazard statements	H315 Causes skin irritation. H318 Causes serious eye damage. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P280 Wear protective gloves / eye protection / face protection. 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. P501 Dispose of contents/container in accordance with local/national regulation.
Cleaner, 648/2004/CE, contains:	< 5% non-ionic surfactants < 5% anionic surfactant fragrances ALPHA-ISOMETHYL IONONE fragrances

2.3 Other hazards

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

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

Delu Ako Minky GmbH
53619 Rheinbreitbach

Date printed 13.09.2021, Revision 29.09.2020

Version 06. Supersedes version: 05

Page 3 / 16

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
1 - < 5	Citric acid monohydrate
	CAS: 5949-29-1
	GHS/CLP: Eye Irrit. 2: H319
1 - < 5	Alkylethersulphate sodium salt
	CAS: 68891-38-3
	GHS/CLP: Skin Irrit. 2: H315 - Eye Dam. 1: H318 - Aquatic Chronic 3: H412
	SCL [%]: >=5 - <10: Eye Irrit. 2: H319, >=10: Eye Dam. 1: H318
1 - < 3	Alcohols, C16-18 and C18-unsatd., ethoxylated
	CAS: 68920-66-1
	GHS/CLP: Skin Irrit. 2: H315 - Aquatic Chronic 2: H411
0,1 - < 1	Thiourea
	CAS: 62-56-6
	GHS/CLP: Carc. 2: H351 - Repr. 2: H361d - Acute Tox. 4: H302 - Aquatic Chronic 2: H411
0,1 - < 0,25	Dodecylmercaptane
	CAS: 112-55-0
	GHS/CLP: Skin Corr. 1C: H314 - Skin Sens. 1A: H317 - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410, M-Factor (acute): 10, M-Factor (chronic): 10

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information	Take off contaminated clothing and wash before reuse.
Inhalation	Ensure supply of fresh air.
Skin contact	In case of contact with skin wash off with warm 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. Consult a doctor immediately. Shield unaffected eye.
Ingestion	Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Get medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects
Allergic reactions

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Forward this sheet to your doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.
Extinguishing media that must not be used	Full water jet.

Delu Ako Minky GmbH
53619 Rheinbreitbach

Date printed 13.09.2021, Revision 29.09.2020

Version 06. Supersedes version: 05

Page 4 / 16

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.
Sulphur oxides (SO_x).

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

Ensure adequate ventilation.
High risk of slipping due to leakage/spillage of product.
Forms slippery surfaces with water.
Use personal protective equipment.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.
In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

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.
Avoid contact with eyes and skin. Use personal protective equipment.
Open and handle container with care.

Do not eat, drink or smoke when using this product.
Take off contaminated clothing and wash before reuse.
Wash hands before breaks and after work.
Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Prevent penetration into the ground.
Provide acid-resistant floor.
Do not store together with oxidizing agents.
Do not store with alkalis.
Keep container in a well-ventilated place.
Keep container tightly closed.

7.3 Specific end use(s)

See product use, SECTION 1.2

Delu Ako Minky GmbH
53619 Rheinbreitbach

Date printed 13.09.2021, Revision 29.09.2020

Version 06. Supersedes version: 05

Page 5 / 16

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational
exposure limits to be monitored (GB)

not applicable

DNEL

Substance
Citric acid monohydrate, CAS: 5949-29-1
There are no DNEL values established for the substance.
Dodecylmercaptane, CAS: 112-55-0
There are no DNEL values established for the substance.
Alkylethersulphate sodium salt, CAS: 68891-38-3
Industrial, inhalative, Long-term - systemic effects, 175 mg/m ³
Industrial, dermal, Long-term - systemic effects, 2750 mg/kg
general population, oral, Long-term - systemic effects, 15 mg/kg
general population, inhalative, Long-term - systemic effects, 52 mg/m ³
general population, dermal, Long-term - systemic effects, 1650 mg/kg

PNEC

Substance
Citric acid monohydrate, CAS: 5949-29-1
soil, 33,1 mg/kg dw
sediment (freshwater), 34,6 mg/kg dw
sediment (seawater), 3,46 mg/kg dw
sewage treatment plants (STP), 1 g/l
seawater, 44 µg/l
freshwater, 440 µg/l
Dodecylmercaptane, CAS: 112-55-0
There are no PNEC values established for the substance.
Alkylethersulphate sodium salt, CAS: 68891-38-3
soil, 7,5 mg/kg
sediment (seawater), 0,092 mg/kg
sediment (freshwater), 0,917 mg/kg
sewage treatment plants (STP), 10000 mg/l
seawater, 0,024 mg/l
freshwater, 0,24 mg/l

Delu Ako Minky GmbH
53619 Rheinbreitbach

Date printed 13.09.2021, Revision 29.09.2020

Version 06. Supersedes version: 05

Page 6 / 16

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) Face shield. (EN 166)
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. In full contact: > 0,4mm: butyl rubber, > 120 min (EN 374)
Skin protection	Acid-resistant 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.
Respiratory protection	Not required under normal conditions.
Thermal hazards	not applicable
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
Color	yellow
Odor	pleasant
Odour threshold	not applicable
pH-value	ca. 1,9 ca. 2,7 (10%)
pH-value [1%]	3,1
Boiling point [°C]	No information available.
Flash point [°C]	No information available.
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	No information available.
Density [g/cm³]	1,25
Relative density	No information available.
Bulk density [kg/m³]	not applicable
Solubility in water	miscible
Solubility other solvents	No information available.
Partition coefficient [n-octanol/water]	not applicable
Kinematic viscosity	> 30 s Fordbecher 4
Relative vapour density	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Auto-ignition temperature	not applicable
Decomposition temperature [°C]	No information available.
Particle characteristics	No information available.

Delu Ako Minky GmbH
53619 Rheinbreitbach

Date printed 13.09.2021, Revision 29.09.2020

Version 06. Supersedes version: 05

Page 7 / 16

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

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with alkalis (lyes).

Reactions with strong oxidizing agents.

10.4 Conditions to avoid

Strong heating.

10.5 Incompatible materials

See SECTION 10.3.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

Delu Ako Minky GmbH
53619 Rheinbreitbach

Date printed 13.09.2021, Revision 29.09.2020

Version 06. Supersedes version: 05

Page 8 / 16

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

Product
Based on the available information, the classification criteria are not fulfilled.
Substance
Thiourea, CAS: 62-56-6
LD50, oral, Rat, 1750 mg/kg (Lit.)
LD50, oral, Rat (female), 2000-2500 mg/kg bw
Alcohols, C16-18 and C18-unsatd., ethoxylated, CAS: 68920-66-1
LD50, oral, Rat, > 5000 mg/kg (Richtlinie 84/449/EWG, B.1)
Citric acid monohydrate, CAS: 5949-29-1
LD50, oral, mouse, 5400 mg/kg bw
Dodecylmercaptane, CAS: 112-55-0
LD50, oral, Rat, > 5000 mg/kg (OECD 401)
Alkylethersulphate sodium salt, CAS: 68891-38-3
LD50, oral, Rat, > 2000 - 5000 mg/kg (OECD 401)

Acute dermal toxicity

Product
Based on the available information, the classification criteria are not fulfilled.
Substance
Thiourea, CAS: 62-56-6
LD50, dermal, Rabbit, 2800 mg/kg bw
Alcohols, C16-18 and C18-unsatd., ethoxylated, CAS: 68920-66-1
LD50, dermal, Rabbit, > 2000 mg/kg
Citric acid monohydrate, CAS: 5949-29-1
LD50, dermal, Rat, > 2000 mg/kg bw
Dodecylmercaptane, CAS: 112-55-0
LD50, dermal, Rat, > 5000 mg/kg (OECD 402)
Alkylethersulphate sodium salt, CAS: 68891-38-3
LD50, dermal, Rat, > 2000 mg/kg (OECD 402)

Acute inhalational toxicity

Product
Based on the available information, the classification criteria are not fulfilled.
Substance
Thiourea, CAS: 62-56-6
LC50, inhalative, Rabbit, 195 mg/m ³ air (4h)
Alcohols, C16-18 and C18-unsatd., ethoxylated, CAS: 68920-66-1
LC50, inhalation (vapour), Rat, > 100 mg/m ³ /6h, OECD 403
Dodecylmercaptane, CAS: 112-55-0
LC50, inhalative, Rat, > 3,1 mg/l/4,5h (OECD 403)

Delu Ako Minky GmbH
53619 Rheinbreitbach

Date printed 13.09.2021, Revision 29.09.2020

Version 06. Supersedes version: 05

Page 9 / 16

Serious eye damage/irritation

Risk of serious damage to eyes.
The classification is due to the extreme pH.

Substance
Thiourea, CAS: 62-56-6
Rabbit, OECD 405, Slight irritant effect - does not require labelling.
Alcohols, C16-18 and C18-unsatd., ethoxylated, CAS: 68920-66-1
no adverse effect observed
Citric acid monohydrate, CAS: 5949-29-1
irritant
Dodecylmercaptane, CAS: 112-55-0
Causes serious eye damage.
Alkylethersulphate sodium salt, CAS: 68891-38-3
Rabbit, 5% solution - Eye irrit. 2, H319 (OECD 405)

Skin corrosion/irritation

Analogous to product with a similar composition.
In-vitro-Test "Corrosive" negative.
Irritant
Expert judgement

Substance
Thiourea, CAS: 62-56-6
Rabbit, OECD 404, non-irritating
Citric acid monohydrate, CAS: 5949-29-1
non-irritating
Dodecylmercaptane, CAS: 112-55-0
corrosive
Alkylethersulphate sodium salt, CAS: 68891-38-3
Rabbit, Skin irrit. 2, H315, OECD 404

Respiratory or skin sensitisation

May cause an allergic skin reaction.
Calculation method

Substance
Thiourea, CAS: 62-56-6
dermal, Guinea pig, OECD 406, non-sensitizing
Alcohols, C16-18 and C18-unsatd., ethoxylated, CAS: 68920-66-1
Guinea pig, Maximisation test, non-sensitizing
Dodecylmercaptane, CAS: 112-55-0
dermal, sensitising
Alkylethersulphate sodium salt, CAS: 68891-38-3
Guinea pig, non-sensitizing

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
Alcohols, C16-18 and C18-unsatd., ethoxylated, CAS: 68920-66-1
NOAEL, oral, Rat, 500 mg/kg bw/day

Mutagenicity

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

Substance

Delu Ako Minky GmbH
53619 Rheinbreitbach

Date printed 13.09.2021, Revision 29.09.2020

Version 06. Supersedes version: 05

Page 10 / 16

Thiourea, CAS: 62-56-6
in vitro, Ames test, negativ
Alkylethersulphate sodium salt, CAS: 68891-38-3
in vivo, OECD 475, negativ
in vitro, OECD 476, negativ
in vitro, OECD 471, negativ

Reproduction toxicity

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

Substance
Thiourea, CAS: 62-56-6
LOAEL, oral, Sheep, 50 mg/kg bw/d (Effect on developmental toxicity), adverse effect observed
LOAEL, oral, Sheep, 50 mg/kg bw/d (Effect on fertility), adverse effect observed
Alkylethersulphate sodium salt, CAS: 68891-38-3
NOAEL, oral, Rat, 1000 mg/kg/10d, negativ
NOAEL, oral, Rat, 300 mg/kg/198d, negativ

Carcinogenicity

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

Substance
Thiourea, CAS: 62-56-6
Carc. 2

Aspiration hazard

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

General remarks

Toxicological data of complete product are not available.
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. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

Delu Ako Minky GmbH
53619 Rheinbreitbach

Date printed 13.09.2021, Revision 29.09.2020

Version 06. Supersedes version: 05

Page 11 / 16

SECTION 12: Ecological information

12.1 Toxicity

Substance
Thiourea, CAS: 62-56-6
LC50, (96h), Danio rerio, 10000 mg/l (Lit.)
EC50, (48h), Daphnia magna, 35 mg/l (IUCLID)
IC50, (72h), Desmodesmus subspicatus, 3,8 - 10 mg/l (IUCLID)
Alcohols, C16-18 and C18-unsatd., ethoxylated, CAS: 68920-66-1
LC50, (96h), fish, 108 mg/L
EC50, (72h), Algae, 100 mg/L
EL50, (48h), Invertebrates, 51 mg/L
NOEC, (21d), Invertebrates, 770 - 1750 µg/L
NOEC, (10d), fish, 160 - 330 µg/L
Citric acid monohydrate, CAS: 5949-29-1
LC50, (48h), fish, 440 - 760 mg/l
LC50, (24h), Daphnia magna, 1535 mg/l
Dodecylmercaptane, CAS: 112-55-0
LC50, (96h), Oncorhynchus mykiss, > 100 mg/l
EC50, (72h), Pseudokirchneriella subcapitata, 0,0145 mg/l (OECD 201)
EC50, (48h), Daphnia magna, 1 - 10 mg/l (OECD 202)
NOEC, (48h), Daphnia magna, 0,14 mg/l (OECD 202)
Alkylethersulphate sodium salt, CAS: 68891-38-3
LC50, Brachidanio rerio, > 1-10 mg/l (OECD 203)
EC50, (48h), Daphnia magna, > 1-10 mg/l (OECD 202)
EC50, (72h), Desmodesmus subspicatus, > 10-100 mg/l (OECD 201)
NOEC, (21d), Daphnia magna, > 0,1-1 mg/l (OECD 211)
EC10, Pseudomonas putida, > 10000 mg/l

12.2 Persistence and degradability

Behaviour in environment compartments	No information available.
Behaviour in sewage plant	Neutralization is normally necessary before a waste water is discharged into sewage treatment plants.
Biological degradability	The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

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

Delu Ako Minky GmbH
53619 Rheinbreitbach

Date printed 13.09.2021, Revision 29.09.2020

Version 06. Supersedes version: 05

Page 12 / 16

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

Harmful effect due to pH shift.

Ecological data of complete product are not available.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with national regulations.

Product

Dispose of as hazardous waste.

Coordinate disposal with the authorities if necessary.

Contaminated packaging

Uncontaminated packaging may be taken for recycling.

Packaging that cannot be cleaned should be disposed of as for product.

SECTION 14: Transport information

14.1 UN number or ID number

Transport by land according to
ADR/RID 3082

Inland navigation (ADN) 3082

Marine transport in accordance with
IMDG 3082

Air transport in accordance with IATA 3082

Delu Ako Minky GmbH
53619 Rheinbreitbach

Date printed 13.09.2021, Revision 29.09.2020

Version 06. Supersedes version: 05

Page 13 / 16

14.2 UN proper shipping name

Transport by land according to ADR/RID

Environmentally hazardous substance, liquid, n.o.s. (Dodecane-1-thiol; Alcohols, C16-18 and C18-unsatd., ethoxylated)

- Classification Code

M6

- Label



- ADR LQ

5 I

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 3 (-)

Inland navigation (ADN)

Environmentally hazardous substance, liquid, n.o.s. (Dodecane-1-thiol; Alcohols, C16-18 and C18-unsatd., ethoxylated)

- Classification Code

M6

- Label



Marine transport in accordance with IMDG

Environmentally hazardous substance, liquid, n.o.s. (Dodecane-1-thiol; Alcohols, C16-18 and C18-unsatd., ethoxylated)

- EMS

F-A, S-F

- Label



- IMDG LQ

5 I

Air transport in accordance with IATA

Environmentally hazardous substance, liquid, n.o.s. (Dodecane-1-thiol; Alcohols, C16-18 and C18-unsatd., ethoxylated)

- Label



14.3 Transport hazard class(es)

Transport by land according to ADR/RID

9 (N)

Inland navigation (ADN)

9 (N)

Marine transport in accordance with IMDG

9

Air transport in accordance with IATA

9

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

Delu Ako Minky GmbH
53619 Rheinbreitbach

Date printed 13.09.2021, Revision 29.09.2020

Version 06. Supersedes version: 05

Page 14 / 16

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

No information available.

SECTION 15: Regulatory information

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

TRANSPORT-REGULATIONS ADR (2021); IMDG-Code (2021, 40. Amdt.); IATA-DGR (2021)

NATIONAL REGULATIONS (GB): EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.

- Observe employment restrictions for people Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.
SEVESO III (Directive 2012/18/EU), Hazard categories in accordance with Regulation (EC) No 1272/2008:
E2 ENVIRONMENTAL HAZARDS

- VOC (2010/75/CE) not applicable

15.2 Chemical safety assessment

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

Delu Ako Minky GmbH
53619 Rheinbreitbach

Date printed 13.09.2021, Revision 29.09.2020

Version 06. Supersedes version: 05

Page 15 / 16

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

Classification procedure

Skin Irrit. 2: H315 Causes skin irritation. (Expert judgement)
Eye Dam. 1: H318 Causes serious eye damage. (Expert judgement)
Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects. (Calculation method)

Delu Ako Minky GmbH
53619 Rheinbreitbach

Date printed 13.09.2021, Revision 29.09.2020

Version 06. Supersedes version: 05

Page 16 / 16

Modified position

SECTION 4 been added: Shield unaffected eye.

SECTION 7 been added: Open and handle container with care.

SECTION 7 been added: Avoid contact with eyes and skin. Use personal protective equipment.

SECTION 8 been added: 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.

SECTION 14 been added: Environmentally hazardous substance, liquid, n.o.s. (Dodecane-1-thiol; Alcohols, C16-18 and C18-unsatd., ethoxylated)

SECTION 14 deleted: Environmentally hazardous substance, liquid, n.o.s. (dodecane-1-thiol)

SECTION 14 been added: Environmentally hazardous substance, liquid, n.o.s. (Dodecane-1-thiol; Alcohols, C16-18 and C18-unsatd., ethoxylated)

SECTION 14 deleted: Environmentally hazardous substance, liquid, n.o.s. (dodecane-1-thiol)

SECTION 14 been added: Environmentally hazardous substance, liquid, n.o.s. (Dodecane-1-thiol; Alcohols, C16-18 and C18-unsatd., ethoxylated)

SECTION 14 deleted: Environmentally hazardous substance, liquid, n.o.s. (dodecane-1-thiol)

SECTION 15 been added: E2 ENVIRONMENTAL HAZARDS

SECTION 15 been added: SEVESO III (Directive 2012/18/EU), Hazard categories in accordance with Regulation (EC) No 1272/2008:

Copyright: Chemiebüro®

