

Delu Ako Minky GmbH
53619 Rheinbreitbach

Date printed 25.08.2021, Revision 03.02.2021

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

1.1 Product identifier

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

1.2.1 Relevant uses

Cleaning cloth

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]

No classification.

2.2 Label elements

The product does not require a hazard warning label in accordance with regulation (EC) No 1272/2008 (CLP).

Hazard pictograms

none

Signal word

none

Hazard statements

none

Precautionary statements

none

Cleaner, 648/2004/CE, contains:

< 5 % non-ionic surfactants

2.3 Other hazards

Other hazards

No particular hazards known.

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

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3.2 Mixtures

The product is a mixture.

Range [%]	Substance
1 - < 10	Alcohols, C16-18 and C18-unsatd., ethoxylated
	CAS: 68920-66-1
	GHS/CLP: Skin Irrit. 2: H315 - Aquatic Chronic 2: H411

Comment on component parts Information about concentrations of ingredients refer to the product without carrier material. They are not for the complete system. Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information	not applicable
Inhalation	not applicable
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	Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

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	Foam. Water spray jet. Dry powder. Carbon dioxide.
Extinguishing media that must not be used	Full water jet.

5.2 Special hazards arising from the substance or mixture

Carbon monoxide (CO).
Not combusted hydrocarbons.
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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Forms slippery surfaces with water.

6.2 Environmental precautions

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

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6.3 Methods and material for containment and cleaning up

Take up mechanically.
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

No special measures necessary if used correctly.
Avoid contact with eyes and skin. Use personal protective equipment.

Wash hands before breaks and after work.
Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Do not store together with oxidizing agents.
Keep container tightly closed.

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 (GB)

not applicable

8.2 Exposure controls

Additional advice on system design Not required under normal conditions.

Eye protection Not required under normal conditions.

Hand protection The details concerned are recommendations. Please contact the glove supplier for further information.
In full contact:
> 0,11mm: Butyl rubber, >60 min (EN 374-1/-2/-3).

Skin protection Not required under normal conditions.

Other Avoid contact with eyes and skin.

Respiratory protection Not required under normal conditions.

Thermal hazards not applicable

Delimitation and monitoring of the environmental exposition Comply with applicable environmental regulations limiting discharge to air, water and soil.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Impregnated cloth
Color	antique pink
Odor	characteristic
Odour threshold	not applicable
pH-value	No information available.
pH-value [1%]	No information available.
Boiling point [°C]	not applicable
Flash point [°C]	not applicable
Flammability (solid, gas) [°C]	Not highly flammable.
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not applicable
Density [g/cm ³]	No information available.
Relative density	not determined
Bulk density [kg/m ³]	not applicable
Solubility in water	partially soluble
Solubility other solvents	No information available.
Partition coefficient [n-octanol/water]	No information available.
Kinematic viscosity	not applicable
Relative vapour density	not applicable
Evaporation speed	not applicable
Melting point [°C]	not applicable
Auto-ignition temperature	No information available.
Decomposition temperature [°C]	No information available.
Particle characteristics	not applicable

9.2 Other information

No information available.

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

No hazardous reactions known.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

Safety Data Sheet (UK REACH) (GB)
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10.6 Hazardous decomposition products

No dangerous reactions known if used as directed.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

Product
oral, Based on the available information, the classification criteria are not fulfilled.
Substance
Alcohols, C16-18 and C18-unsatd., ethoxylated, CAS: 68920-66-1
LD50, oral, Rat, > 5000 mg/kg (Richtlinie 84/449/EWG, B.1)

Acute dermal toxicity

Product
dermal, Based on the available information, the classification criteria are not fulfilled.
Substance
Alcohols, C16-18 and C18-unsatd., ethoxylated, CAS: 68920-66-1
LD50, dermal, Rabbit, > 2000 mg/kg

Acute inhalational toxicity

Product
inhalative, Based on the available information, the classification criteria are not fulfilled.
Substance
Alcohols, C16-18 and C18-unsatd., ethoxylated, CAS: 68920-66-1
LC50, inhalation (vapour), Rat, > 100 mg/m ³ /6h, OECD 403

Serious eye damage/irritation

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

Substance
Alcohols, C16-18 and C18-unsatd., ethoxylated, CAS: 68920-66-1
no adverse effect observed

Skin corrosion/irritation

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

Respiratory or skin sensitisation

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

Substance
Alcohols, C16-18 and C18-unsatd., ethoxylated, CAS: 68920-66-1
Guinea pig, Maximisation test, non-sensitizing

Specific target organ toxicity — single exposure

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

Specific target organ toxicity — repeated exposure

Toxicological data of complete product are not available.
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

Toxicological data of complete product are not available.

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Reproduction toxicity	Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available. Based on the available information, the classification criteria are not fulfilled.
Carcinogenicity	Toxicological data of complete product are not available. 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	none

SECTION 12: Ecological information

12.1 Toxicity

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

12.2 Persistence and degradability

Behaviour in environment compartments	No information available.
Behaviour in sewage plant	No information available.
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.

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

Ecological data of complete product are not available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

Product

For recycling, consult manufacturer.

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 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

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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

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).

- Observe employment restrictions for people none

- VOC (2010/75/CE) not applicable

15.2 Chemical safety assessment

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

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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

Modified position

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



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