



Jarefin bv ovve bvba
9051 Sint-Denijs-Westrem

Date printed 11.12.2019, Revision 19.12.2018

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

1.1 Product identifier

UNELKO CREAM CLEANSER

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 Jarefin bv ovve bvba
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9051 Sint-Denijs-Westrem / BELGIUM
Phone +32 9 228 33 23
Homepage <https://www.jarefin.be/>
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Homepage www.unelko.com
E-mail info@unelko.com

Address enquiries to

Technical information info@unelko.be
Safety Data Sheet sdb@chemiebuero.de

1.4 Emergency telephone number

Advisory body +32 (0)70 245 245 (24h)

SECTION 2: Hazards identification

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

Eye Dam. 1: H318 Causes serious eye damage.
Skin Irrit. 2: H315 Causes skin irritation.

2.2 Label elements

The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

Hazard pictograms



Signal word DANGER

Contains: Benzenesulphonic acid, 4-C10-13-sec-alkyl derivative

Hazard statements H318 Causes serious eye damage.
H315 Causes skin irritation.

Precautionary statements P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P264 Wash hands thoroughly after handling.
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.

Cleaner, 648/2004/CE, contains: 5 - <15% non-ionic surfactants
< 5% anionic surfactant
fragrances



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2.3 Other hazards

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

Product-type:

3.2 The product is a mixture.

Range [%]	Substance
15 - < 20	Silicic acid CAS: 1343-98-2, EINECS/ELINCS: 215-683-2
5 - < 10	Alcohol ethoxylated, C9-11, <2.5 EO CAS: 68439-46-3, EINECS/ELINCS: 614-482-0, Reg-No.: 01-2119980051-45-XXXX GHS/CLP: Eye Irrit. 2: H319
3 - < 5	Benzenesulphonic acid, 4-C10-13-sec-alkyl derivative CAS: 85536-14-7, EINECS/ELINCS: 287-494-3, Reg-No.: 01-2119490234-40-XXXX GHS/CLP: Acute Tox. 4: H302 - Skin Corr. 1C: H314 - Eye Dam. 1: H318 - Aquatic Chronic 3: H412

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.
Remove affected person from danger area, lay down.

Inhalation Ensure supply of fresh air.
In the event of symptoms seek medical treatment.

Skin contact In case of contact with skin wash off immediately with 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.

Ingestion Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.
Consult a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Redness
Cough
Nausea, vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Forward this sheet to the doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media foam, dry powder, water spray jet, carbon dioxide
Fire extinguishing method of surrounding areas must be considered.

Extinguishing media that must not be used Full water jet



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5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.
Carbon monoxide (CO)
Carbon dioxide (CO₂)
Sulphur oxides (SO_x).
Silicon compounds

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Collect contaminated firefighting water separately, must not be discharged into the drains.
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.
Wear suitable protective equipment. For personal protection see SECTION 8.
High risk of slipping due to leakage/spillage of product.
Remove persons to safety.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, 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.
Keep out of reach of children and domestic animals.

Wash face and/or hands before break and end of work.
Do not eat, drink or smoke when using this product.
Take off contaminated clothing and wash before reuse.
Use barrier skin cream.
It is recommended to preview eye-wash bottle and showers.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
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.
Protect from heat/overheating.
Store in a dry place.

7.3 Specific end use(s)

See product use, SECTION 1.2



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SECTION 8: Exposure controls / personal protection

8.1 Control parameters

DNEL

Substance
Alcohol ethoxylated, C9-11, <2.5 EO, CAS: 68439-46-3
Industrial, dermal, Long-term - systemic effects: 2080 mg/kg bw/day.
Industrial, inhalative, Long-term - systemic effects: 294 mg/m ³ .
general population, oral, Long-term - systemic effects: 25 mg/kg bw/day.
general population, dermal, Long-term - systemic effects: 1250 mg/kg bw/day.
general population, inhalative, Long-term - systemic effects: 87 mg/m ³ .
Benzenesulphonic acid, 4-C10-13-sec-alkyl derivative, CAS: 85536-14-7
Industrial, dermal, Long-term - systemic effects: 85 mg/kg bw/day.
Industrial, inhalative, Long-term - systemic effects: 6 mg/m ³ .
general population, oral, Long-term - systemic effects: 0,425 mg/kg bw/day.
general population, dermal, Long-term - systemic effects: 42,5 mg/kg bw/day.
general population, inhalative, Long-term - systemic effects: 1,5 mg/m ³ .

PNEC

Substance
Alcohol ethoxylated, C9-11, <2.5 EO, CAS: 68439-46-3
soil, 1 mg/kg soil dw.
sediment (seawater), 13,7 mg/kg sediment dw.
sediment (freshwater), 13,7 mg/kg sediment dw.
sewage treatment plants (STP), 1,4 mg/l.
seawater, 0,104 mg/l.
freshwater, 0,104 mg/l.
Benzenesulphonic acid, 4-C10-13-sec-alkyl derivative, CAS: 85536-14-7
soil, 35 mg/kg soil dw.
sediment (seawater), 6,8 mg/kg sediment dw.
sediment (freshwater), 8,1 mg/kg sediment dw.
sewage treatment plants (STP), 3,43 mg/l.
seawater, 0,027 mg/l.
freshwater, 0,268 mg/l.



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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	Tightly fitting goggles. (EN 166:2001)
Hand protection	> 0,11 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. Do not inhale vapours. 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. If ventilation is insufficient, wear respiratory protection. Short term: filter apparatus, filter P2. (DIN EN 143)
Thermal hazards	not applicable
Delimitation and monitoring of the environmental exposition	Comply with applicable environmental regulations limiting discharge to air, water and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	suspension
Color	white
Odor	characteristic
Odour threshold	No information available.
pH-value	3
pH-value [1%]	No information available.
Boiling point [°C]	No information available.
Flash point [°C]	not applicable
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/ml]	ca. 1
Bulk density [kg/m³]	not applicable
Solubility in water	miscible
Partition coefficient [n-octanol/water]	No information available.
Viscosity	not applicable
Relative vapour density determined in air	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Autoignition temperature [°C]	No information available.
Decomposition temperature [°C]	No information available.

9.2 Other information

none



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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).
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.
Reactions with strong acids and alkalies.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

See SECTION 10.3.

10.6 Hazardous decomposition products

No dangerous reactions known if used as directed.
In the event of fire: See SECTION 5.



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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product
ATE-mix, oral, > 2000 mg/kg.
Substance
Alcohol ethoxylated, C9-11, <2.5 EO, CAS: 68439-46-3
LD50, dermal, Rabbit: 2000 - 2216 mg/kg bw (OECD 402, ECHA).
LD50, oral, Rat: 3700 mg/kg bw (OECD 401, ECHA).
LC50, inhalation (vapour), Rat: > 100 mg/l/6h (OECD 403, ECHA).
Benzenesulphonic acid, 4-C10-13-sec-alkyl derivative, CAS: 85536-14-7
inhalative, Rat: ALC: 310 mg/m ³ /4h (Aerosol).
LD50, dermal, Rat: > 2000 mg/kg (OECD 402).
LD50, oral, Rat: 1470 mg/kg (OECD 401).

Serious eye damage/irritation	Risk of serious damage to eyes. Calculation method
Skin corrosion/irritation	Irritant Calculation method
Respiratory or skin sensitisation	Based on the available information, the classification criteria are not fulfilled.
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.
Mutagenicity	Based on the available information, the classification criteria are not fulfilled.
Reproduction toxicity	Based on the available information, the classification criteria are not fulfilled.
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	

Toxicological data of complete product are not available.

SECTION 12: Ecological information

12.1 Toxicity

Substance
Alcohol ethoxylated, C9-11, <2.5 EO, CAS: 68439-46-3
LC50, (96h), <i>Oncorhynchus mykiss</i> : 5 - 7 mg/l.
EC50, (48h), <i>Daphnia magna</i> : 2,5 mg/l.
ErC50, (96h), <i>Selenastrum capricornutum</i> : 1,4 mg/l.
ErC20, (72h), <i>Desmodesmus subspicatus</i> : 1,978 mg/l.
EC20, <i>Daphnia magna</i> : 2,11 mg/l/21d.
EC20, <i>Pimephales promelas</i> : 1,86 mg/l/30d.
Benzenesulphonic acid, 4-C10-13-sec-alkyl derivative, CAS: 85536-14-7
LC50, (96h), <i>Lepomis macrochirus</i> : 1,67 mg/l.
EC50, (72h), <i>Selenastrum capricornutum</i> : 235 mg/l (OECD 201).
EC50, (48h), <i>Daphnia magna</i> : 2,9 mg/l (OECD 202).
NOEC, (28d), Algae: > 4 mg/l.
NOEC, (21d), <i>Daphnia magna</i> : 1,18 mg/l (OECD 211).
NOEC, fish: 0,268 mg/l.
EC10, (72h), <i>Selenastrum capricornutum</i> : 13,1 mg/l (OECD 201).



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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. 94%, 28d (CAS 85536-14-7, ECHA) The product is readily biodegradable. 70 - 100%, 28d (CAS 68439-46-3, ECHA)

12.3 Bioaccumulative potential

BCF ≥ 2 - ≤ 1000 L/kg (CAS 85536-14-7, ECHA)
BCF 12,7 - 237 L/kg (CAS 68439-46-3, ECHA)

12.4 Mobility in soil

Koc = 1288 L/kg (CAS 68439-46-3, ECHA)

12.5 Results of PBT and vPvB assessment

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

12.6 Other adverse effects

Ecological data of complete product are not available.
Do not discharge product unmonitored into the environment or into the drainage.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material c 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

Coordinate disposal with the authorities if necessary.

Waste no. (recommended)

070601*
200129*

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*

SECTION 14: Transport information

14.1 UN 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



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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 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable



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SECTION 15: Regulatory information

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

EEC-REGULATIONS	1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2016/2037/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014
TRANSPORT-REGULATIONS	ADR (2019); IMDG-Code (2019, 39. Amdt.); IATA-DGR (2019)
NATIONAL REGULATIONS (EU):	
- Observe employment restrictions for people	Observe employment restrictions for young people. The product is classified as non-hazardous in the sense of the 2012/18/EU (Seveso III) Directive.
- VOC (2010/75/CE)	not applicable

15.2 Chemical safety assessment

For the following substances of this preparation a chemical safety assessment has been carried out:
CAS 85536-14-7

SECTION 16: Other information

16.1 Hazard statements (SECTION 03)

H412 Harmful to aquatic life with long lasting effects.
H318 Causes serious eye damage.
H314 Causes severe skin burns and eye damage.
H302 Harmful if swallowed.
H319 Causes serious eye irritation.

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
ELINCS = European List of Notified Chemical Substances
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
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
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



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16.3 Other information

Classification procedure

Eye Dam. 1: H318 Causes serious eye damage. (Calculation method)
Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)

Modified position

none



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