Safety Data Sheet
WASH & WAX

Safety Data Sheet dated 2/3/2022, version 14

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

1.1. Product identifier

Mixture identification:

Trade name: WASH & WAX

Trade code: 31013

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

Recommended use:

Product to wash external car surfaces.

1.3. Details of the supplier of the safety data sheet

Supplier:

Arexons S.p.A.

via Antica di Cassano, 23, 20063

Cernusco sul Naviglio (MI), Italy

Arexons S.p.A.

Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

Competent person responsible for the safety data sheet:

arexons@arexons.it

1.4. Emergency telephone number

Arexons S.p.A.

Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

In Ireland: Beaumont Hospital - National Poisons Information Centre 01 809 2166 (7days, 8:00 - 22:00)

In South Africa: Poison Information Helpline 0861 555 777

In Malta: emergency number 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

Warning, Eye Irrit. 2, Causes serious eye irritation.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

Warning

Hazard statements:

H319 Causes serious eye irritation.

H412 Harmful 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.

P103 Read carefully and follow all instructions.

P264 Wash hands thoroughly after handling.

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

EUH208 Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

EUH208 Contains Amides, C8-18 even numbered, N-[3-(dimethylamino)propyl]. May produce an allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

Regulation (EC) nr 648/2004 (detergents).

Product contents:

Amphoteric surfactants, Non-ionic surfactants < 5 %

Preservatives: LAURYLAMINE DIPROPYLENEDIAMINE, Pyridine-2-thiol 1-oxide, sodium salt., 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one, 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

>= 2% - < 3% Laureth-7; Alcohols, C9-11-iso-, C10-rich, ethoxylated

CAS: 78330-20-8

3.1/4/Oral Acute Tox. 4 H302

3.3/1 Eye Dam. 1 H318

>= 1% - < 2% Siloxanes and Silicones, di-Me, 3-[3-[(3-coco amidopropyl)dimethylammonio]-2-hyd

CAS: 134737-05-6

4.1/A1 Aquatic Acute 1 H400

4.1/C1 Aquatic Chronic 1 H410

>= 0.5% - < 1% Amines, C12-14(even numbered)-alkyldimethyl, N-oxides

REACH No.: 01-2119490061-47, EC: 931-292-6

3.1/4/Oral Acute Tox. 4 H302

3.2/2 Skin Irrit. 2 H315

3.3/1 Eye Dam. 1 H318

4.1/A1 Aquatic Acute 1 H400

4.1/C2 Aquatic Chronic 2 H411

>= 0.02% - < 0.05% 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one

Index number: 613-088-00-6, CAS: 2634-33-5, EC: 220-120-9

3.1/4/Oral Acute Tox. 4 H302

3.2/2 Skin Irrit. 2 H315

3.3/1 Eye Dam. 1 H318

3.4.2/1 Skin Sens. 1 H317

4.1/A1 Aquatic Acute 1 H400

4.1/C2 Aquatic Chronic 2 H411

Specific Concentration Limits:
C >= 0,005%: EUH208
C >= 0,05%: Skin Sens. 1 H317

>= 0.02% - < 0.05% Amides, C8-18 even numbered, N-[3-(dimethylamino)propyl]
REACH No.: 01-2119435524-42, EC: 930-947-3
3.1/4/Oral Acute Tox. 4 H302
3.2/1A Skin Corr. 1A H314
3.3/1 Eye Dam. 1 H318
3.4.2/1A Skin Sens. 1A H317
4.1/A1 Aquatic Acute 1 H400
4.1/C2 Aquatic Chronic 2 H411

>= 0.02% - < 0.05% LAURYLAMINE DIPROPYLENEDIAMINE
CAS: 2372-82-9, EC: 219-145-8
3.1/3/Oral Acute Tox. 3 H301
3.2/1B Skin Corr. 1B H314
3.9/2 STOT RE 2 H373 (kidneys)
4.1/A1 Aquatic Acute 1 H400 M=10.
4.1/C1 Aquatic Chronic 1 H410 M=10.

>= 0.005% - < 0.01% Pyridine-2-thiol 1-oxide, sodium salt.
CAS: 3811-73-2, EC: 223-296-5
3.1/4/Oral Acute Tox. 4 H302
3.1/4/Dermal Acute Tox. 4 H312
3.1/4/Inhal Acute Tox. 4 H332
3.2/2 Skin Irrit. 2 H315
3.3/2 Eye Irrit. 2 H319
4.1/A1 Aquatic Acute 1 H400 M=100.
4.1/C1 Aquatic Chronic 1 H410 M=10.

>= 0.005% - < 0.01% propan-2-ol; isopropyl alcohol; isopropanol
REACH No.: 01-2119457558-25, Index number: 603-117-00-0, CAS: 67-63-0, EC: 200-661-7
2.6/2 Flam. Liq. 2 H225
3.3/2 Eye Irrit. 2 H319
3.8/3 STOT SE 3 H336

SECTION 4: First aid measures

4.1. Description of first aid measures
In case of skin contact:
Immediately take off all contaminated clothing.
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediately and dispose off safely.
After contact with skin, wash immediately with soap and plenty of water.
In case of eyes contact:
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.
Protect uninjured eye.
In case of Ingestion:
Do NOT induce vomiting.

In case of Inhalation:
Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed
None

4.3. Indication of any immediate medical attention and special treatment needed
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment:
None

SECTION 5: Firefighting measures

5.1. Extinguishing media
Appropriate Extinguishing Media:
To carbon dioxide.
To dust.
Foam
Water spray.
Not Recommended Extinguishing Media:
Do not use direct water jets.

5.2. Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.

5.3. Advice for firefighters
Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.

6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up
Wash with plenty of water.

6.4. Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed.

None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.

7.3. Specific end use(s)
None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
ACGIH - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS impair
DNEL Exposure Limit Values
Amines, C12-14(even numbered)-alkyldimethyl, N-oxides
Worker Professional: 6.2 mg/m3 - Consumer: 1.53 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 11 mg/kg - Consumer: 5.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term, local effects
Consumer: 0.44 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
LAURYLAMINE DIPROPYLENEDIAMINE - CAS: 2372-82-9
Worker Professional: 2.35 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 0.91 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
PNEC Exposure Limit Values
Amines, C12-14(even numbered)-alkyldimethyl, N-oxides
Target: Fresh Water - Value: 0.0335 mg/l
Target: Marine water - Value: 0.00335 mg/l
Target: Freshwater sediments - Value: 0.0335 mg/kg
Target: Marine water sediments - Value: 0.0335 mg/kg
Target: 09 - Value: 24 mg/l
Amides, C8-18 even numbered, N-[3-(dimethylamino)propyl]
Target: Fresh Water - Value: 0.00012 mg/l
Target: 09 - Value: 22 mg/l
LAURYLAMINE DIPROPYLENEDIAMINE - CAS: 2372-82-9
Target: Fresh Water - Value: 0.001 mg/l
Target: Marine water - Value: 0.0001 mg/l
Target: Freshwater sediments - Value: 8.5 mg/kg
Target: Marine water sediments - Value: 0.85 mg/l
Target: 09 - Value: 1.33 mg/l

8.2. Exposure controls
Eye protection:
Eye glasses with side protection.
Compliant with EN 166
Protection for skin:
No special precaution must be adopted for normal use.
Protection for hands:
Nitrile or Viton gloves.
Compliant with EN 374.
Respiratory protection:
Not needed for normal use.
Thermal Hazards:
None
Environmental exposure controls:
None
Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Physical state:	Liquid	--	--
Colour:	Whitish	--	--
Odour:	Characteristic	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	N.A.	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	7.7	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	Soluble	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	1,005 g/cm3	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions
10.2. Chemical stability
Stable under normal conditions
10.3. Possibility of hazardous reactions
None
10.4. Conditions to avoid
Stable under normal conditions.
10.5. Incompatible materials
None in particular.
10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
Toxicological information of the product:
WASH & WAX L 1
a) acute toxicity
Not classified
Based on available data, the classification criteria are not met
b) skin corrosion/irritation
Not classified
Based on available data, the classification criteria are not met
c) serious eye damage/irritation
The product is classified: Eye Irrit. 2 H319
d) respiratory or skin sensitisation
Not classified
Based on available data, the classification criteria are not met
e) germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met
g) reproductive toxicity
Not classified
Based on available data, the classification criteria are not met
h) STOT-single exposure
Not classified
Based on available data, the classification criteria are not met
i) STOT-repeated exposure
Not classified
Based on available data, the classification criteria are not met
j) aspiration hazard
Not classified
Based on available data, the classification criteria are not met
Toxicological information of the main substances found in the product:
Siloxanes and Silicones, di-Me, 3-[3-[(3-coco amidopropyl)dimethylammonio]-2-hyd - CAS: 134737-05-6
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Amines, C12-14(even numbered)-alkyldimethyl, N-oxides
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 1064 mg/kg
g) reproductive toxicity:
Test: NOEL - Route: Oral 100 mg/kg - Source: OECD 422

Test: arx1 - Route: Oral 25 mg/kg
i) STOT-repeated exposure:
Test: NOAEL - Route: Oral 88 mg/kg
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 1193 mg/kg
Test: LD50 - Route: Skin - Species: Rat 4115 mg/kg
b) skin corrosion/irritation:
Test: Skin Irritant Positive
c) serious eye damage/irritation:
Test: Eye Corrosive Positive
d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin Positive
Amides, C8-18 even numbered, N-[3-(dimethylamino)propyl]
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 300-2000 mg/l
LAURYLAMINE DIPROPYLENEDIAMINE - CAS: 2372-82-9
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 261 mg/kg
b) skin corrosion/irritation:
Test: OECD TG 404 - Route: Skin - Species: Rabbit Positive
c) serious eye damage/irritation:
Test: Eye Corrosive - Route: EYE Positive
d) respiratory or skin sensitisation:
Test: OECD TG 406 - Species: IND Negative
e) germ cell mutagenicity:
Test: oecd Negative
g) reproductive toxicity:
Test: Reproductive Toxicity Negative
i) STOT-repeated exposure:
Test: oecd 16 Positive
Test: NOAEL(C) - Route: Oral - Species: Rat 9 mg/kg - Duration: 90gg
Pyridine-2-thiol 1-oxide, sodium salt. - CAS: 3811-73-2
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 1.208
Test: LC50 - Route: Inhalation - Species: Rat 1.08
Test: LD50 - Route: Skin - Species: Rabbit 1.800
c) serious eye damage/irritation:
Test: Eye Irritant Positive

11.2. Information on other hazards
Endocrine disrupting properties:
No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
Laureth-7; Alcohols, C9-11-iso-, C10-rich, ethoxylated - CAS: 78330-20-8
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 1 mg/l - Notes: OECD TG 203
Endpoint: EC50 - Species: Daphnia > 1 mg/l - Notes: OECD TG 202
Endpoint: EC50 - Species: Algae > 1 mg/l - Notes: OECD TG 201
Siloxanes and Silicones, di-Me, 3-[3-[(3-coco amidopropyl)dimethylammonio]-2-hyd - CAS: 134737-05-6
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 30.8 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 200 mg/l - Duration h: 48
Endpoint: NOEC - Species: Algae 0.313 mg/l - Duration h: 72

Amines, C12-14(even numbered)-alkyldimethyl, N-oxides
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 2.67 mg/l
Endpoint: EC50 - Species: Daphnia 3.1 mg/l
Endpoint: CE6 - Species: Algae 0.19 mg/l
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Algae 0.067 mg/l

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 2.18 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 2.94 mg/l - Duration h: 48
Endpoint: CE6 - Species: Algae 0.11 mg/l - Duration h: 72

Amides, C8-18 even numbered, N-[3-(dimethylamino)propyl]
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 0.4 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 0.157 mg/l - Duration h: 48
Endpoint: EC50 - Species: fanghi 38 mg/l - Duration h: 16

LAURYLAMINE DIPROPYLENEDIAMINE - CAS: 2372-82-9
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 0.45 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 0.073 mg/l - Duration h: 48
Endpoint: CE5 - Species: Algae 0.012 mg/l - Duration h: 72
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Algae 0.01 mg/l - Duration h: 72
Endpoint: NOEC - Species: Daphnia 0.024 mg/l - Duration h: 504

Pyridine-2-thiol 1-oxide, sodium salt. - CAS: 3811-73-2
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 0.0066 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 0.022 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae 0.46 mg/l

12.2. Persistence and degradability

None

Laureth-7; Alcohols, C9-11-iso-, C10-rich, ethoxylated - CAS: 78330-20-8
Biodegradability: Readily biodegradable

Amines, C12-14(even numbered)-alkyldimethyl, N-oxides
Biodegradability: Readily biodegradable - Duration: 28gg - %: 80

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5
Biodegradability: Readily biodegradable - Test: BIOGDG06

LAURYLAMINE DIPROPYLENEDIAMINE - CAS: 2372-82-9
Biodegradability: Readily biodegradable - Test: BIOGDG08 - Duration: 28gg - %: 79

Pyridine-2-thiol 1-oxide, sodium salt. - CAS: 3811-73-2
Biodegradability: Readily biodegradable

12.3. Bioaccumulative potential

Laureth-7; Alcohols, C9-11-iso-, C10-rich, ethoxylated - CAS: 78330-20-8
Bioaccumulation: Not bioaccumulative

Amines, C12-14(even numbered)-alkyldimethyl, N-oxides
Test: log Pow 2.7

LAURYLAMINE DIPROPYLENEDIAMINE - CAS: 2372-82-9
Test: log Pow -0.7

Pyridine-2-thiol 1-oxide, sodium salt. - CAS: 3811-73-2
Test: log Pow -3.8

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
Test: Kow - Partition coefficient 0.05

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties
No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects
None

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name
N.A.

14.3. Transport hazard class(es)
N.A.

14.4. Packing group
N.A.

14.5. Environmental hazards
ADR-Enviromental Pollutant: No
IMDG-Marine pollutant: No

14.6. Special precautions for user
N.A.

14.7. Maritime transport in bulk according to IMO instruments
N.A.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 2020/878
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)
Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
Restrictions related to the product:
Restriction 3
Restrictions related to the substances contained:
Restriction 40
Restriction 70
Restriction 75

Volatile Organic compounds - VOCs = 0.01 %
Volatile Organic compounds - VOCs = 0.07 g/Kg
Volatile Organic compounds - VOCs = 0.07 g/l
Where applicable, refer to the following regulatory provisions :
Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1
None

15.2. Chemical safety assessment
No Chemical Safety Assessment has been carried out for the mixture.
Substances for which a Chemical Safety Assessment has been carried out:
None

SECTION 16: Other information

Text of phrases referred to under heading 3:
H302 Harmful if swallowed.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H315 Causes skin irritation.
H411 Toxic to aquatic life with long lasting effects.
H317 May cause an allergic skin reaction.
EUH208 Contains (name of sensitising substance). May produce an allergic reaction.
H314 Causes severe skin burns and eye damage.
H301 Toxic if swallowed.
H373 (kidneys) May cause damage to organs (kidneys) through prolonged or repeated exposure.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H319 Causes serious eye irritation.
H225 Highly flammable liquid and vapour.
H336 May cause drowsiness or dizziness.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4

Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1A	3.4.2/1A	Skin Sensitisation, Category 1A
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Paragraphs modified from the previous revision:

SECTION 1: Identification of the substance/mixture and of the company/undertaking
SECTION 2: Hazards identification
SECTION 3: Composition/information on ingredients
SECTION 8: Exposure controls/personal protection
SECTION 11: Toxicological information
SECTION 12: Ecological information
SECTION 14: Transport information
SECTION 15: Regulatory information
SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	**Classification procedure**
Eye Irrit. 2, H319	Calculation method
Aquatic Chronic 3, H412	Calculation method

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:
ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,

Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NA:	Not applicable
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.