Safety Data Sheet dated 5/10/2022, version 1

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

1.1. Product identifier
Mixture identification:
Trade name: ADDITIVE WINTER 1000
1.2. Relevant identified uses of the substance or mixture and uses advised against
1.3. Details of the supplier of the safety data sheet
Company:
NILS S.p.A.
Via Stazione, 30
39014 Postal (BZ)

e-mail: nils@nils.it
www.nils.eu
Tel. +39 0473 29 24 00
Fax +39 0473 29 12 44
Competent person responsible for the safety data sheet:
schedasicurezza@nils.it
1.4. Emergency telephone number
CAV "Ospedale Pediatrico Bambino Gesù" - Roma - Tel. +39 06 6859 37 26

CAV "Azienda Ospedaliera Università di Foggia" - Foggia - Tel. 800 183 459

CAV "Azienda Ospedaliera A. Cardarelli" - Napoli - Tel. +39 081 545 33 33

CAV Policlinico "Umberto I" - Roma - Tel. +39 06 4997 80 00

CAV Policlinico "A. Gemelli" - Roma - Tel. +39 06 305 43 43

CAV Azienda Ospedaliera "Careggi" U.O. Tossicologia Medica - Firenze - Tel. +39 055 794 78 19

CAV Centro Nazionale di Informazione Tossicologica - Pavia - Tel. +39 0382 24 444

CAV Ospedale Niguarda - Milano - +39 02 66 10 10 29

CAV Azienda Ospedaliera Papa Giovanni XXIII - Bergamo - Tel. 800 88 33 00

CAV Centro Antiveleni Veneto - Verona - Tel. 800 011 858
Tel. +39 0473 29 24 00
Fax +39 0473 29 12 44

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
EC regulation criteria 1272/2008 (CLP)
Warning, Carc. 2, Suspected of causing cancer.
Warning, STOT SE 3, May cause drowsiness or dizziness.
Danger, Asp. Tox. 1, May be fatal if swallowed and enters airways.
Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.
Adverse physicochemical, human health and environmental effects:
No other hazards

2.2. Label elements
Hazard pictograms:



Danger
Hazard statements:
H351 Suspected of causing cancer.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
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.
P273 Avoid release to the environment.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P331 Do NOT induce vomiting.
P391 Collect spillage.
Special Provisions:
EUH066 Repeated exposure may cause skin dryness or cracking.
EUH208 Contains 3-IODO-2-PROPYNYL BUTYLCARBAMAATE; 3-IODOPROP-2-YN-1-YL BUTYLCARBAMAT. May produce an allergic reaction.
Contains
Distillates (petroleum), hydrotreated light naphthenic
Hydrocarbons, C10, aromatics, >1% naphthalene
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
Special provisions according to Annex XVII of REACH and subsequent amendments:
Restricted to professional users.

2.3. Other hazards
No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

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:

stta	Name	Ident. Number		Classification
>= 70% - < 80%	Distillates (petroleum), hydrotreated light naphthenic	Index number: CAS: EC: REACH No.:	649-466-00-2 64742-53-6 265-156-6 01-2119480375-34	3.10/1 Asp. Tox. 1 H304 Acute Toxicity Estimate: ATE - Inhalation (Dust/mist) 2,18 mg/l
>= 15% - < 20%	Hydrocarbons, C10, aromatics, >1% naphthalene	CAS: EC:	64742-94-5 919-284-0	3.10/1 Asp. Tox. 1 H304 3.6/2 Carc. 2 H351 3.8/3 STOT SE 3 H335 3.8/3 STOT SE 3 H336

				4.1/C2 Aquatic Chronic 2 H411 EUH066
>= 3% - < 5%	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	CAS: EC: REACH No.:	64742-47-8 926-141-6 01-2119456620-43	3.10/1 Asp. Tox. 1 H304
>= 3% - < 5%	naphthalene	Index number: CAS: EC:	601-052-00-2 91-20-3 202-049-5	2.7/2 Flam. Sol. 2 H228 3.6/2 Carc. 2 H351 4.1/A1 Aquatic Acute 1 H400 4.1/C1 Aquatic Chronic 1 H410 3.1/4/Oral Acute Tox. 4 H302
>= 3% - < 5%	1,2,4-trimethylbenzene	Index number: CAS: EC:	601-043-00-3 95-63-6 202-436-9	2.6/3 Flam. Liq. 3 H226 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H335 3.2/2 Skin Irrit. 2 H315 4.1/C2 Aquatic Chronic 2 H411 3.1/4/Inhal Acute Tox. 4 H332
>= 0,5% - < 1%	3-IODO-2-PROPYNYL BUTYLCARBAMAATE; 3-IODOPROP-2-YN-1-YL BUTYLCARBAMAT	Index number: CAS: EC:	616-212-00-7 55406-53-6 259-627-5	3.1/3/Inhal Acute Tox. 3 H331 4.1/A1 Aquatic Acute 1 H400 M=10. 4.1/C1 Aquatic Chronic 1 H410 3.1/4/Oral Acute Tox. 4 H302 3.9/1 STOT RE 1 H372 3.3/1 Eye Dam. 1 H318 3.4.2/1 Skin Sens. 1 H317 Acute Toxicity Estimate: ATE - Inhalation (Dust/mist) 0,5 mg/l

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).

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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
Suitable extinguishing media:
Water spray.
Extinguishing media which must not be used for safety reasons:
None in particular.
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
For non emergency personnel:
Wear personal protection equipment.
Remove persons to safety.
See protective measures under Sect. 7 and 8.
For emergency responders:
Wear personal protection equipment.
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 cleanup: absorbing material, organic material, sand
6.3. Methods and material for containment and cleaning up
Wash with plenty of water.
6.4. Reference to other sections
Hazardous combustion products: see Sect. 5
Precautions for safe handling: see Sect. 7
Individual protection measures: see Sect. 8
Incompatible materials: see Sect. 10
Enviornmental precautions: see Sect. 12
Disposal considerations: see Sect. 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.
Incompatible materials:
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
naphthalene - CAS: 91-20-3
- OEL Type: EU - TWA(8h): 50 mg/m3, 10 ppm

1,2,4-trimethylbenzene - CAS: 95-63-6
- OEL Type: MAK - TWA(8h): 100 mg/m3, 20 ppm - Notes: pregnancy risk: group C (DFG 2004)
- OEL Type: ACGIH - TWA: 25 ppm

DNEL Exposure Limit Values
Distillates (petroleum), hydrotreated light naphthenic - CAS: 64742-53-6
Worker Professional: 5.4 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects

Hydrocarbons, C10, aromatics, >1% naphthalene - CAS: 64742-94-5
Worker Professional: 151 mg/m3 - Consumer: 32 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 12.5 SDS8.1_8 - Consumer: 7.5 SDS8.1_8 - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 7.5 SDS8.1_8 - Exposure: Human Oral - Frequency: Long Term, systemic effects

3-IODO-2-PROPYNYL BUTYLCARBAMAATE; 3-IODOPROP-2-YN-1-YL BUTYLCARBAMAT - CAS: 55406-53-6
Worker Industry: 0.023 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 0.07 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Industry: 1.16 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Industry: 1.16 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Industry: 2 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values
3-IODO-2-PROPYNYL BUTYLCARBAMAATE; 3-IODOPROP-2-YN-1-YL BUTYLCARBAMAT - CAS: 55406-53-6
Target: Freshwater - Value: 0.001 mg/l - Type of hazard: Short term (isolated case)
Target: Marine water - Value: 0 mg/l - Type of hazard: Short term (isolated case)
Target: Microorganisms in sewage treatments - Value: 0.44 mg/l - Type of hazard: Short term (isolated case)
Target: Freshwater sediments - Value: 0.017 mg/kg - Type of hazard: Short term (isolated case)
Target: Marine water sediments - Value: 0.002 mg/kg - Type of hazard: Short term (isolated case)
Target: Soil (agricultural) - Value: 0.005 mg/kg - Type of hazard: Short term (isolated case)

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Only CE-marked protective gloves tested according to EN 374 may be worn when working with chemicals. Protective gloves must be selected for each workplace depending on the concentration and type of harmful substances after consultation with the supplier. Establish a healing period for skin regeneration. Preventive protection of the skin is recommended (protective creams/pomades). Wash hands thoroughly after use.

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment.

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:	Light yellow	--	--
Odour:	Characteristic	--	--
Melting point/freezing point:	> -15 ° C		--
Pour point	N.A.	--	--
Drop point	N.A.	--	--
Boiling point or initial boiling point and boiling range:	160-220 ° C	ASTM D 1160	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	>61 ° C	IP 170	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	12.7	ASTM D 445	40 °C
Solubility in water:	Insoluble	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/ water (log value):	N.A.	--	--

Vapour pressure:	N.A.	--	--
Density and/or relative density:	0.8872 kg/dm3	ASTM D 1298	15 °C
Relative vapour density:	< 1	--	air = 1
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

Properties	**Value**	**Method:**	**Notes**
Explosive properties: 0.65 vol% LEL - 7 vol% UEL	--	--	

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:
ADDITIVE WINTER 1000
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
Not classified
Based on available data, the classification criteria are not met
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
The product is classified: Carc. 2 H351
g) reproductive toxicity
Not classified

Based on available data, the classification criteria are not met

h) STOT-single exposure

The product is classified: STOT SE 3 H336

i) STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

j) aspiration hazard

The product is classified: Asp. Tox. 1 H304

Toxicological information of the main substances found in the product:

Distillates (petroleum), hydrotreated light naphthenic - CAS: 64742-53-6

a) acute toxicity

ATE - Inhalation (Dust/mist) 2,18 mg/l

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 5.53 mg/l - Duration: 4h

Test: STA - Route: Inhalation 2.18 mg/l - Duration: 4h

Hydrocarbons, C10, aromatics, >1% naphthalene - CAS: 64742-94-5

a) acute toxicity:

Test: LC50 - Route: Inhalation Vapour - Species: Rat = 40.2 mg/l - Duration: 1h

Test: LC50 - Route: Inhalation Vapour - Species: Rat = 20.1 mg/l - Duration: 4h

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 4688 mg/m3 - Duration: 4h - Source: OECD 403

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg - Source: OECD 402

Test: LD50 - Route: Oral - Species: Rat = 6318 mg/kg - Source: OECD 401

h) STOT-single exposure:

Test: Respiratory Sensitization - Notes: narcosi

i) STOT-repeated exposure:

Test: Respiratory Tract Corrosive

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics - CAS: 64742-47-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 15000 mg/kg

Test: LC50 - Species: Rat > 9300 mg/m3 - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

1,2,4-trimethylbenzene - CAS: 95-63-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 5000 mg/kg bw

3-IODO-2-PROPYNYL BUTYLCARBAMAATE; 3-IODOPROP-2-YN-1-YL BUTYLCARBAMAT - CAS: 55406-53-6

a) acute toxicity

ATE - Inhalation (Dust/mist) 0,5 mg/l

Test: LD50 - Route: Oral - Species: Rat 1795 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LC50 - Route: Inhalation 0.67 ppm - Duration: 4h

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.

ADDITIVE WINTER 1000

The product is classified: Aquatic Chronic 2 - H411

Distillates (petroleum), hydrotreated light naphthenic - CAS: 64742-53-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l

Hydrocarbons, C10, aromatics, >1% naphthalene - CAS: 64742-94-5

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 1-3 mg/l - Duration h: 72 h - Notes: OECD 201
Endpoint: EC50 - Species: Daphnia = 3-10 mg/l - Duration h: 48 h
Endpoint: LC50 - Species: Fish = 2 mg/l - Duration h: 96 h
Endpoint: NOEL - Species: Algae = 1 mg/l - Duration h: 72 h - Notes: OECD 201

b) Aquatic chronic toxicity:

Endpoint: NOEL - Species: Daphnia = 0.85 mg/l - Duration h: 21 d
Endpoint: NOEL - Species: Fish = 0.49 mg/l - Duration h: 28 d

1,2,4-trimethylbenzene - CAS: 95-63-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 7.72 mg/l

3-IODO-2-PROPYNYL BUTYLCARBAMAATE; 3-IODOPROP-2-YN-1-YL BUTYLCARBAMAT - CAS: 55406-53-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 0.067 mg/l - Duration h: 96 h
Endpoint: EC50 - Species: Daphnia 0.16 mg/l - Duration h: 48 h
Endpoint: NOEC - Species: Fish 84 mg/l
Endpoint: NOEC - Species: Algae 0.0046 mg/l

12.2. Persistence and degradability

Hydrocarbons, C10, aromatics, >1% naphthalene - CAS: 64742-94-5

Biodegradability: Non-readily biodegradable - Test: SDS12.2_7 - Duration h: 28d - %: 58%

3-IODO-2-PROPYNYL BUTYLCARBAMAATE; 3-IODOPROP-2-YN-1-YL BUTYLCARBAMAT - CAS: 55406-53-6

Test: CO2 production - Duration h: 1 d - %: 4% - Notes: ECHA

12.3. Bioaccumulative potential

3-IODO-2-PROPYNYL BUTYLCARBAMAATE; 3-IODOPROP-2-YN-1-YL BUTYLCARBAMAT - CAS: 55406-53-6

Test: Log Kow 2.81

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

Waste Code: 130205
Packaging waste code: 150110

Dispose of according to Directive (EC) n. 2008/98 on waste and hazardous waste. Recycle in compliance with official regulations.

SECTION 14: Transport information

14.1. UN number or ID number

ADR-UN number: UN 3082
IATA-Un number: UN 3082
IMDG-Un number: UN 3082

14.2. UN proper shipping name

ADR-Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (naphtalene, 1,2,4-trimethylbenzene)
IATA-Technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (naphtalene, 1,2,4-trimethylbenzene)
IMDG-Technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (naphtalene, 1,2,4-trimethylbenzene)

14.3. Transport hazard class(es)

ADR-Class:	9
ADR-Label:	9
ADR - Hazard identification number:	90
IATA-Class:	9
IATA-Label:	9
IMDG-Class:	9

14.4. Packing group

ADR-Packing Group:	III
IATA-Packing group:	III
IMDG-Packing group:	III
IATA-Special provisions:	A97, A158, A197
Limited quantity:	5 L

14.5. Environmental hazards

Marine pollutant:	Marine pollutant
IMDG-EMS:	F-A, S-F

14.6. Special precautions for user

ADR-Transport category (Tunnel restriction code): E

IATA-Passenger Aircraft:	450 L /964
IATA-Cargo Aircraft:	450 L/964
IMDG-Technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (naphtalene, 1,2,4-trimethylbenzene)

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
Restriction 40
Restrictions related to the substances contained:
Restriction 28
Restriction 75
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
Product belongs to category: E2

National legislation
Limitations for workers: Respect the employment limits according to Directive 94/33/EC on the protection of young people at work.

15.2. Chemical safety assessment
No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

COV(%): 27.75
COV(g/l): 246.95
Full text of phrases referred to in Section 3:
H304 May be fatal if swallowed and enters airways.
H351 Suspected of causing cancer.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.
H228 Flammable solid.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H302 Harmful if swallowed.
H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H331 Toxic if inhaled.
H372 Causes damage to organs (larynx) through prolonged or repeated exposure.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.

Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Flam. Sol. 2	2.7/2	Flammable solid, Category 2
Acute Tox. 3	3.1/3/Inhal	Acute toxicity (inhalation), Category 3

Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
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
Carc. 2	3.6/2	Carcinogenicity, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 1	3.9/1	Specific target organ toxicity - repeated exposure, Category 1
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

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**
Carc. 2, H351	Calculation method
STOT SE 3, H336	Calculation method
Asp. Tox. 1, H304	Calculation method
Aquatic Chronic 2, H411	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.
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.