Safety Data Sheet
OLIO LUBRIFICANTE PTFE

Safety Data Sheet dated 23/11/2022, version 2

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

1.1. Product identifier

Mixture identification:

Trade name: OLIO LUBRIFICANTE PTFE

Trade code: EW5677

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

Recommended use:

PROFESSIONAL LUBRICANT

Uses advised against:

do not use on humans and animals

1.3. Details of the supplier of the safety data sheet

Company:

ALBINA S.R.L. - Via Crocevia, 12 – 39057 – Appiano sulla strada del Vino (BZ)

ALBINA S.R.L. – info@ewent-online.com

Competent person responsible for the safety data sheet:

info@ewent-online.com

1.4. Emergency telephone number

Centro Antiveleni di Milano 02 66101029 (CAV Ospedale Niguarda Ca' Granda -Milano)
Centro Antiveleni di Pavia 0382 24444 (CAV IRCCS Fondazione Maugeri - Pavia)
Centro Antiveleni di Bergamo 800 883300 (CAV Ospedali Riuniti - Bergamo)
Centro Antiveleni di Firenze 055 7947819 (CAV Ospedale Careggi - Firenze)
Centro Antiveleni di Roma 06 3054343 (CAV Policlinico Gemelli - Roma)
Centro Antiveleni di Roma 06 49978000 (CAV Policlinico Umberto I - Roma)
Centro Antiveleni di Napoli 081 7472870 (CAV Ospedale Cardarelli - Napoli)
Centro Antiveleni di Verona 800 011858 (CAV Ospedale AOUI- Verona)
Centro Antiveleni di Foggia 800 183459 (CAV Policlinico Riuniti-Foggia)
Centro Antiveleni di Roma 06 68593726(CAV Ospedale Bambino Gesù-Roma)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):


Danger, Aerosols 1, Extremely flammable aerosol. Pressurized container: may burst if heated.


Warning, Skin Irrit. 2, Causes skin irritation.


Warning, STOT SE 3, May cause drowsiness or dizziness.


Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

Danger

Hazard statements:

H222, H229 Extremely flammable aerosol. Pressurized container: may burst if heated.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
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.
P103 Read carefully and follow all instructions.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing spray.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/clothing and eye/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P312 Call a POISON CENTER if you feel unwell.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.
P403 Store in a well-ventilated place.
P405 Store locked up.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
P501 Dispose of container in accordance with national regulation.

Special Provisions:

None

Contains

hydrocarbons c7, n-alkanes, isoalkanes, cyclics

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

None

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:

Qty	Name	Ident. Number	Classification
>= 50% - < 60%	hydrocarbons c7, n-alkanes, isoalkanes, cyclics	CAS: 64742-49-0 EC: 927-510-4 REACH No.: 01-2119666169-27-0000	2.6/2 Flam. Liq. 2 H225 3.2/2 Skin Irrit. 2 H315 4.1/C2 Aquatic Chronic 2 H411 3.10/1 Asp. Tox. 1 H304 3.8/3 STOT SE 3 H336

>= 40% - < 50%	GPL	CAS: 68476-40-4 EC: 270-681-9 REACH No.: 01-2119486557-22-XXXX	2.5/C Press Gas (Comp.) H280 2.2/1 Flam. Gas 1 H220 DECLK (CLP)*
>= 0.1% - < 0.25%	xylene	Index number: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7 REACH No.: 01-2119488216-32-xxxx	2.6/3 Flam. Liq. 3 H226 3.1/4/Dermal Acute Tox. 4 H312 3.1/4/Inhal Acute Tox. 4 H332 3.10/1 Asp. Tox. 1 H304 3.9/2 STOT RE 2 H373 3.3/2 Eye Irrit. 2 H319 3.2/2 Skin Irrit. 2 H315 3.8/3 STOT SE 3 H335 Acute Toxicity Estimate: ATE - Dermal 1100 mg/kg bw ATE - Inhalation (Vapours) 11 mg/l
300 ppm	ethylbenzene	Index number: 601-023-00-4 CAS: 100-41-4 EC: 202-849-4	2.6/2 Flam. Liq. 2 H225 4.1/C3 Aquatic Chronic 3 H412 3.10/1 Asp. Tox. 1 H304 3.1/4/Inhal Acute Tox. 4 H332 3.9/2 STOT RE 2 H373
100 ppm	toluene	Index number: 601-021-00-3 CAS: 108-88-3 EC: 203-625-9	2.6/2 Flam. Liq. 2 H225 3.7/2 Repr. 2 H361 3.10/1 Asp. Tox. 1 H304 3.9/2 STOT RE 2 H373 3.2/2 Skin Irrit. 2 H315 3.8/3 STOT SE 3 H336

*DECLK (CLP): This substance is classified in accordance with Note K, Annex VI of EC Regulation CE 1272/2008. The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1 % w/w 1,3- butadiene (Einecs No 203-450-8), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes. Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P210-P403 shall apply.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.
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 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
In case of contact with skin
Wash with water and rinse. Change clothes if necessary. If irritation persists or tissue damage occurs,
consult a doctor.
In case of inhalation
Casualty away from the danger zone in a well-ventilated; the occurrence of symptoms of malaise request the assistance
medical. In case of irregular breathing or respiratory arrest provide artificial respiration

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:
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
Carbon dioxide (CO2).
CO2 or Dry chemical fire extinguisher.
Extinguishing media which must not be used for safety reasons:
Water.

5.2. Special hazards arising from the substance or mixture
Burning produces heavy smoke.
Do not inhale explosion and combustion gases.
Hazardous combustion products:
Asphyxiants
Organic irritants
Carbon monoxide

5.3. Advice for firefighters
Normal elements for fire fighting, such as a self-contained compressed air open-circuit respirator (EN 137), fire-retardant suit (EN469), flame-retardant gloves (EN 659) and fire boots (HO A29 or A30).
Move undamaged containers from immediate hazard area if it can be done safely.
Use fire fighter's clothing conforming to European standard EN469.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove all sources of ignition.
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.
Suitable material for taking up: absorbing material, organic, sand
Retain contaminated washing water and dispose it.

6.3. Methods and material for containment and cleaning up
For containment:

Limit in case of leakage of significant quantities of product. Contain the spread of small quantities of product with earth, sand or other inert absorbent material.
For cleaning up:
Clear spills immediately

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.
Advice on general occupational hygiene:
Do not eat, drink or smoke when using this product.
Wash hands after use
Contamined clothing should be changed before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities
store in a cool, well ventilated place, away from heat, flames, sparks or other sources of ignition
keep only in the original container away from sunlight neighborhoods
avoid contact with skin and eyes, inhalation of vapours/mists/dusts.
do not use empty containers before they are cleaned.
contaminated clothing must be replaced before entering the dining areas.
at work do not eat or drink.
avoid the accumulation of electrostatic charges.
do not smoke
Always keep in a well ventilated place.
Store at below 50 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from food, drink and feed.
Incompatible materials:
Keep away from combustible materials.
Keep away from acids.
Instructions as regards storage premises:
Cool and adequately ventilated.

7.3. Specific end use(s)
None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
hydrocarbons c7, n-alkanes, isoalkanes, cyclics - CAS: 64742-49-0
TLV-ACGIH - Notes: TLV TWA - 400ppm-1639,26 mg/m3 (ACGIH)
TLV STEL - 500ppm-2049,08 mg/m3 (ACGIH)
xylene - CAS: 1330-20-7
EU - TWA(8h): 221 mg/m3, 50 ppm - STEL: 442 mg/m3, 100 ppm
ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm
ethylbenzene - CAS: 100-41-4
EU - TWA(8h): 442 mg/m3, 100 ppm - STEL: 884 mg/m3, 200 ppm
ACGIH - TWA(8h): 20 ppm
toluene - CAS: 108-88-3
EU - TWA(8h): 192 mg/m3, 50 ppm - STEL: 384 mg/m3, 100 ppm

ACGIH - TWA(8h): 20 ppm

DNEL Exposure Limit Values

hydrocarbons c7, n-alkanes, isoalkanes, cyclics - CAS: 64742-49-0

Worker Professional: 300 mg/kg/d - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 2085 mg/l - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 149 mg/kg/d - Exposure: Human Oral - Frequency: Long Term, systemic effects

xylene - CAS: 1330-20-7

Worker Professional: 180 mg/kg/d - Consumer: 108 mg/kg/d - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 77 mg/l - Consumer: 14.8 mg/l - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 1.6 mg/kg/d - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Professional: 289 mg/kg/d - Exposure: Human Inhalation - Frequency: Short Term (acute)

PNEC Exposure Limit Values

xylene - CAS: 1330-20-7

Target: Fresh Water - Value: 0.32 mg/l

Target: Marine water - Value: 0.32 mg/l

Target: Freshwater sediments - Value: 12.46 mg/l

Target: Marine water sediments - Value: 12.46 mg/l

Target: Soil (agricultural) - Value: 2.31 mg/kg

8.2. Exposure controls

Eye protection:

Eye glasses.

Protection for skin:

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

Protection for hands:

Protect hands with category II work gloves (ref. Directive 89/686 / EEC and standard EN 374). Use PVC or nitrile rubber gloves.

Respiratory protection:

Use adequate protective respiratory equipment.

Thermal Hazards:

Do not expose to temperatures exceeding 50° c.

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 Gas	--	--
Colour:	Colourless	--	--
Odour:	characteristic	--	--
Melting point/freezing point:	Not Relevant	--	--
Boiling point or initial boiling point and boiling range:	N.A.	--	--

Flammability:	Not Relevant	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	< 0 ° C	--	--
Auto-ignition temperature:	400°C (gas)	--	--
Decomposition temperature:	N.A.	--	--
pH:	Not Relevant	--	--
Kinematic viscosity:	> 20,5 mm2/sec (40 °C)	--	--
Solubility in water:	undissolvable	--	--
Solubility in oil:	Not Relevant	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	Not Relevant	--	--
Density and/or relative density:	0.75 kg/l	--	--
Relative vapour density:	> 1	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

avoid contact with strong acids and bases and oxidizing agents.

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

It may catch fire on contact with oxidising mineral acids.

10.4. Conditions to avoid

heat, flames and sparks. exposure to light and humidity
avoid exposing the product to high temperatures
avoid the accumulation of electrostatic charges.

10.5. Incompatible materials

strong acids and flammable liquids

10.6. Hazardous decomposition products

during combustion it produces irritating gases
the product is flammable, following combustion can lead to the formation of dangerous decomposition products

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the product:

OLIO LUBRIFICANTE PTFE

a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

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
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
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
Not classified
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:
hydrocarbons c7, n-alkanes, isoalkanes, cyclics - CAS: 64742-49-0
a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat > 23300 mg/m3 - Duration: 4h
Test: LD50 - Route: Skin - Species: Rat > 2920 mg/kg
Test: LD50 - Route: Oral - Species: Rat > 5840 mg/kg
GPL - CAS: 68476-40-4
a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat > 658 mg/l
xylene - CAS: 1330-20-7
a) acute toxicity
ATE - Dermal 1100 mg/kg bw
ATE - Inhalation (Vapours) 11 mg/l
Test: LD50 - Route: Oral - Species: Mouse = 5627 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 5000 ml/kg
Test: LC50 - Route: Inhalation - Species: Rat = 6700 Ppm - Duration: 4h
g) reproductive toxicity:
Test: Reproductive Toxicity - Species: Rat = 500 Ppm
ethylbenzene - CAS: 100-41-4
a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Mouse = 35500 mg/m3
Test: LC50 - Route: Inhalation - Species: Rat = 55000 mg/m3
Test: LD50 - Route: Oral - Species: Rat = 3500 mg/kg

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.

OLIO LUBRIFICANTE PTFE
The product is classified: Aquatic Chronic 2 - H411
hydrocarbons c7, n-alkanes, isoalkanes, cyclics - CAS: 64742-49-0
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Fish = 1.5 mg/l - Duration h: 48
Endpoint: LC50 - Species: Daphnia = 4 mg/l - Duration h: 24
GPL - CAS: 68476-40-4
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish Negative 19 mg/l - Duration h: 96
Endpoint: LC50 - Species: Daphnia Negative 14.2 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae Negative 7.7 mg/l - Duration h: 96
xylene - CAS: 1330-20-7
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 2.6 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 1 mg/l - Duration h: 24
Endpoint: EC50 - Species: Algae = 4.36 mg/l - Duration h: 76
b) Aquatic chronic toxicity:
Endpoint: NOEL - Species: Fish > 1.3 mg/l - Duration h: 56 - Notes: giorni
12.2. Persistence and degradability
None
xylene - CAS: 1330-20-7
Biodegradability: Not persistent and Biodegradable
ethylbenzene - CAS: 100-41-4
Biodegradability: Not persistent and Biodegradable
12.3. Bioaccumulative potential
xylene - CAS: 1330-20-7
Bioaccumulation: Not bioaccumulative
ethylbenzene - CAS: 100-41-4
Bioaccumulation: Not bioaccumulative
12.4. Mobility in soil
xylene - CAS: 1330-20-7
Mobility in soil: Mobile
ethylbenzene - CAS: 100-41-4
Mobility in soil: Mobile
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. Send to authorised disposal plants or for incineration under controlled conditions. 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 dangerous in the meaning of transport regulations.
ADR-UN number: 1950
IATA-UN number: 1950
IMDG-UN number: 1950
14.2. UN proper shipping name
ADR-Shipping Name: FLAMMABLE AEROSOLS

IATA-Technical name: FLAMMABLE AEROSOLS
IMDG-Technical name: FLAMMABLE AEROSOLS
N.A.

14.3. Transport hazard classes
ADR-Class: 2.5 ° F CAP. 2.2.2.1.6 UN1950
IATA-Class: 2.1
IMDG-Class: 2 Aerosols UN 1950
N.A.

14.4. Packing group
ADR-Packing Group: N.A.
IATA-Packing group: N.A.
IMDG-Packing group: N.A.
N.A.

14.5. Environmental hazards
N.A.

14.6. Special precautions for users
IMDG-Technical name: FLAMMABLE AEROSOLS
N.A.

14.7. Bulk shipping in accordance with IMO acts
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:
None

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: P3a, E2

15.2. Chemical safety assessment

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

SECTION 16: Other information

Text of phrases referred to under heading 3:

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H411 Toxic to aquatic life with long lasting effects.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H280 Contains gas under pressure; may explode if heated.
H220 Extremely flammable gas.
H226 Flammable liquid and vapour.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.
H361 Suspected of damaging fertility or the unborn child.

Hazard class and hazard category	Code	Description
Flam. Gas 1	2.2/1	Flammable gas, Category 1
Aerosols 1	2.3/1	Aerosol, Category 1
Press Gas (Comp.)	2.5/C	Gases under pressure (Compressed gas)
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, 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
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Repr. 2	3.7/2	Reproductive toxicity, Category 2
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 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

This safety data sheet has been completely updated in compliance to Regulation 2020/878.
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
Aerosols 1, H222, H229	On basis of test data
Skin Irrit. 2, H315	Calculation method
STOT SE 3, H336	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.