Safety Data Sheet dated 1/12/2015, version 3

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

1.1. Product identifier

Mixture identification:

Trade name: ardeolite

Trade code: .022

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

Recommended use:

Coating for preparation ; professional use - for the final consumer

Uses advised against:

No specific exclusion are known

1.3. Details of the supplier of the safety data sheet

Company:

ARD - F.LLI RACCANELLO SPA

Prima strada, 13 Zona Industriale Nord

35129 PADOVA - ITALY

Tel. +390498060000 Fax. +39049773749 (only available during office hours)

Competent person responsible for the safety data sheet:

tecnica@ard-raccanello.it

1.4. Emergency telephone number

Tel. +390498060000 Fax. +39049773749 (only available during office hours)

Centro antiveleni – Ospedale Niguarda – Milano - tel. +390266101029

Centro antiveleni – Policlinico A.Gemelli – Roma - tel. +39063054343

Centro antiveleni – Ospedale Cardarelli – Napoli - tel.+390817472870

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Warning, Flam. Liq. 3, Flammable liquid and vapour.

EUH066 Repeated exposure may cause skin dryness or cracking.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Symbols:

Warning

Hazard statements:

H226 Flammable liquid and vapour.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P370+P378 In case of fire: Use a dry powder or a foam fire extinguisher for extinction.

P403+P235 Store in a well-ventilated place. Keep cool.

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

Special Provisions:

EUH066 Repeated exposure may cause skin dryness or cracking.

Contents

2-Butanone oxime: May produce an allergic reaction.

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

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

The product is not considered as a substance.

Data not available

3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

15% - 20% HYDROCARDONS C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

REACH No.: 01-2119463258-33, CAS: 64742-48-9, EC: 919-857-5

2.6/3 Flam. Liq. 3 H226

3.10/1 Asp. Tox. 1 H304

3.8/3 STOT SE 3 H336

EUH066

DECLP (CLP)*

0.5% - 0.99% XYLENE MIXTURE OF ISOMERS
REACH No.: 01-2119555267-33, EC: 905-562-9
2.6/3 Flam. Liq. 3 H226
3.1/4/Inhal Acute Tox. 4 H332
3.1/4/Dermal Acute Tox. 4 H312
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

0.5% - 0.99% Xylene
REACH No.: 01-2119488216-32, Index number: 601-022-00-9, CAS: 1330-20-7, EC: 215-535-7
2.6/3 Flam. Liq. 3 H226
3.9/2 STOT RE 2 H373
3.10/1 Asp. Tox. 1 H304
3.2/2 Skin Irrit. 2 H315
3.1/4/Dermal Acute Tox. 4 H312
3.3/2 Eye Irrit. 2 H319
3.1/4/Inhal Acute Tox. 4 H332
3.8/3 STOT SE 3 H335

0.25% - 0.5% Zirconio 2-etilesanoato
CAS: 22464-99-9, EC: 245-018-1
3.7/2 Repr. 2 H361

0.25% - 0.5% 2-Butanone oxime
REACH No.: 01-2119539477-28, Index number: 616-014-00-0, CAS: 96-29-7, EC: 202-496-6
3.6/2 Carc. 2 H351
3.3/1 Eye Dam. 1 H318
3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317
3.1/4/Dermal Acute Tox. 4 H312

0.1% - 0.25% Ethylbenzene
REACH No.: 01-2119489370-35, Index number: 601-023-00-4, CAS: 100-41-4, EC: 202-849-4
2.6/2 Flam. Liq. 2 H225
3.1/4/Inhal Acute Tox. 4 H332
3.9/2 STOT RE 2 H373
3.10/1 Asp. Tox. 1 H304

*DECLP (CLP): Substance classified in accordance with Note P, Annex VI of EC Regulation (EC) 1272/2008. The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 (Table 3.1) or the S-phrases (2-)23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:
Wash with plenty of water and soap.

In case of eyes contact:
Rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:
Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

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
Drowsiness
Dizziness
Nausea

4.3. Indication of any immediate medical attention and special treatment needed
Treatment:
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
Use dry chemical or foam extinguishers.
Extinguishing media which must not be used for safety reasons:
None in particular.

5.2. Special hazards arising from the substance or mixture
May produce toxic fumes of carbon monoxide if burning.
Do not inhale explosion and combustion gases.

5.3. Advice for firefighters
Before approaching the fire, cool containers exposed to fire with water spray. Wear full firefighting equipment.
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 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.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand.
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.
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.
Store at below 20 °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:
None in particular.
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

Exposure limit(s):

HYDROCARDONS C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - CAS: 64742-48-9
DFG - LTE(8h): 1200 mg/m3, 197 ppm
TLV ACGIH - LTE(8h): 1200 mg/m3, 197 ppm

XYLENE MIXTURE OF ISOMERS
OEL EU - LTE(8h): 221 mg/m3, 50 ppm - STE: 442 mg/m3, 100 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
TLV ACGIH - LTE(8h): 100 ppm - STE: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS impair

Xylene - CAS: 1330-20-7
OEL EU - LTE(8h): 221 mg/m3, 50 ppm - STE: 442 mg/m3, 100 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
TLV ACGIH - LTE(8h): 100 ppm - STE: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS impair

Ethylbenzene - CAS: 100-41-4
OEL EU - LTE(8h): 442 mg/m3, 100 ppm - STE: 884 mg/m3, 200 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
TLV ACGIH - LTE(8h): 20 ppm - Notes: A3, BEI - URT irr, kidney dam (nephropathy), cochlear impair

DNEL Values:

HYDROCARDONS C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - CAS: 64742-48-9
Worker Professional: 871 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 871 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Exposure: Human Dermal - Frequency: Long Term, local effects - Endpoint: Hazard Identified but no value available
Exposure: Human Inhalation - Frequency: Long Term, local effects - Endpoint: Hazard Identified but no value available

XYLENE MIXTURE OF ISOMERS
Worker Professional: 221 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 442 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Xylene - CAS: 1330-20-7
Worker Professional: 289 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Professional: 180 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 77 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

2-Butanone oxime - CAS: 96-29-7
Worker Professional: 2.5 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects
Worker Professional: 1.3 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 9 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 3.33 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects

PNEC Values:

HYDROCARDONS C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - CAS: 64742-48-9

Target: Marine water - Type of hazard: Hazard Identified but no value available
Target: Fresh Water - Type of hazard: Hazard Identified but no value available
Target: Food chain - Type of hazard: Hazard Identified but no value available

XYLENE MIXTURE OF ISOMERS
Target: Freshwater sediments - Value: 12.46 mg/kg
Target: Marine water sediments - Value: 12.46 mg/kg
Target: Soil - Value: 2.31 mg/kg
Target: Fresh Water - Value: 0.327 mg/l
Target: Marine water - Value: 0.327 mg/l

Xylene - CAS: 1330-20-7
Target: Freshwater sediments - Value: 12.46 mg/kg
Target: Marine water sediments - Value: 12.46 mg/kg
Target: Soil - Value: 2.31 mg/kg
Target: Fresh Water - Value: 0.327 mg/l
Target: Marine water - Value: 0.327 mg/l

2-Butanone oxime - CAS: 96-29-7
Target: Fresh Water - Value: 0.256 mg/l

8.2. Exposure controls

Eye/ face protection:
Eye glasses with side protection.
For spray application, use basket eye glasses.

Skin protection

a) protection for hands:
NBR (nitrile rubber) gloves.
PVA (Polyvinyl alcohol) gloves.
In case of a prolonged use employ suitable protective gloves.

b) other:
Overall.

Respiratory protection:
Half-face mask DIN EN 140 with filter "A" , brown colour
For spray application, use mask according to EN 405 with filter type PA or universal.

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:**
Appearance and colour:	Fluid dispersion various colors	--	--
Odour:	Characteristic: aliphatic hydrocarbons	--	--
Odour threshold:	Data not available	--	--
pH:	Irrelevant	--	20°C
Melting point / freezing point:	Data not available	--	--
Initial boiling point and boiling range:	Data not available	--	--
Flash point:	42°C	EN ISO 13736	--
Evaporation rate:	Data not available	--	--
Solid/gas flammability:	Data not available	--	--
Upper/lower flammability or explosive limits:	Data not available	--	--
Vapour pressure:	Data not available	--	--
Vapour density:	Data not available	--	--
Relative density:	1520 - 1580 g/l	UNI EN ISO 2811-1	20°C
Solubility in water:	Insoluble	--	--

Solubility in oil:	Miscible	--	--
Partition coefficient (n-octanol/ water):	Data not available	--	--
Auto-ignition temperature:	Data not available	--	--
Decomposition temperature:	Data not available	--	--
Viscosity:	45 - 51 s	DIN 53211, 6mm	20°C
Explosive properties:	Data not available	--	--
Oxidizing properties:	Data not available	--	--

9.2. Other information

Properties	**Value**	**Method:**	**Notes:**
Miscibility:	Data not available	--	--
Fat Solubility:	Data not available	--	--
Conductivity:	Data not available	--	--
Substance Groups relevant properties:	Data not available	--	--

Note: The data herein refer to QC when the product was put on the market.

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

Avoid contact with combustible materials. The product could catch fire.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the mixture:

Data not available

Toxicological information of the main substances found in the mixture:

HYDROCARDONS C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - CAS: 64742-48-9

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: OCSE 401

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg - Source: OCSE 402

Test: LC50 - Route: Inhalation - Species: Rat > 4951 mg/m3 - Duration: 4h - Source: OCSE 403

b) skin corrosion/irritation:

Test: Skin Corrosive - Route: Skin Negative - Source: OCSE 404

c) serious eye damage/irritation:

Test: Eye Irritant Negative - Source: OCSE 405

e) germ cell mutagenicity:

Test: Mutagenesis Negative - Source: OCSE 471, 473, 474, 476, 478, 479

f) carcinogenicity:

Test: Carcinogenicity Negative - Source: OCSE 453

g) reproductive toxicity:

Test: Reproductive Toxicity Negative - Source: OCSE 414, 421, 422

h) STOT-single exposure:

Test: Not specified - Route: Inhalation Positive

i) STOT-repeated exposure:

Test: Not specified - Route: Inhalation Negative - Source: OCSE 408, 413, 422

XYLENE MIXTURE OF ISOMERS

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 27124 mg/m3 - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit > 12126 ml/kg

Test: LD50 - Route: Oral - Species: Rat = 3523 mg/kg

Xylene - CAS: 1330-20-7

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 20 mg/L - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit > 5000 ml/kg
Test: LD50 - Route: Oral - Species: Mouse = 5627 mg/kg

Zirconio 2-etilesanoato - CAS: 22464-99-9
b) skin corrosion/irritation:
Test: Skin Irritant Positive
c) serious eye damage/irritation:
Test: Eye Irritant Negative

2-Butanone oxime - CAS: 96-29-7
a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat = 13.2 mg/L - Duration: 4h
Test: LD50 - Route: Skin - Species: Rat = 1000 mg/kg
Test: LD50 - Route: Oral - Species: Rat > 900 mg/kg
c) serious eye damage/irritation:
Test: Eye Corrosive Positive
d) respiratory or skin sensitisation:
Test: Skin Sensitization Positive
e) germ cell mutagenicity:
Test: Mutagenesis Negative
g) reproductive toxicity:
Test: Genotoxicity Positive

Ethylbenzene - CAS: 100-41-4
a) acute toxicity:
Test: LD50 - Route: Skin - Species: Rabbit = 15354 mg/kg
Test: LD50 - Route: Oral - Species: Rat = 3500 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 17.2 mg/L - Duration: 4h

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:
a) acute toxicity;
b) skin corrosion/irritation;
c) serious eye damage/irritation;
d) respiratory or skin sensitisation;
e) germ cell mutagenicity;
f) carcinogenicity;
g) reproductive toxicity;
h) STOT-single exposure;
i) STOT-repeated exposure;
j) aspiration hazard.

SECTION 12:Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

HYDROCARDONS C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - CAS: 64742-48-9
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 1000 mg/L - Duration h: 48 - Notes: EL0 - Daphnia magna
Endpoint: IC50 - Species: Algae > 1000 mg/L - Duration h: 72 - Notes: EL50 - Pseudokrchneriella subcapitata
Endpoint: LC50 - Species: Fish > 1000 mg/L - Duration h: 96 - Notes: LL50 - Oncorhynchus mykiss

XYLENE MIXTURE OF ISOMERS
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 1 mg/L - Duration h: 24
Endpoint: ErC50 - Species: Algae = 4.36 mg/L - Duration h: 73
Endpoint: LC50 - Species: Fish > 1.3 mg/L - Duration h: 96

Xylene - CAS: 1330-20-7
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 1 mg/L - Duration h: 24 - Notes: Daphnia magna
Endpoint: ErC50 - Species: Algae = 4.36 mg/L - Duration h: 73 - Notes: Pseudkirchneriella subcapitata
Endpoint: LC50 - Species: Fish = 2.6 mg/L - Duration h: 96 - Notes: Oncorhynchus mykiss

2-Butanone oxime - CAS: 96-29-7
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 100 mg/L - Duration h: 96 - Notes: Oryzias latipes
Endpoint: EC50 - Species: Daphnia = 750 mg/L - Duration h: 48 - Notes: Daphnia magna
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish = 50 mg/L - Duration h: 336 - Notes: Oryzias latipes
Endpoint: NOEC - Species: Daphnia > 100 mg/L - Duration h: 504 - Notes: Daphnia magna
Endpoint: NOEC - Species: Algae = 2.56 mg/L - Duration h: 72 - Notes: Algae

12.2. Persistence and degradability

HYDROCARDONS C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - CAS: 64742-48-9
Biodegradability: Readily biodegradable - Test: Data not available - Duration: 672h - %: Data not available - Notes: Data not available

12.3. Bioaccumulative potential

XYLENE MIXTURE OF ISOMERS
Bioaccumulation: Not bioaccumulative - Test: log Kow 3.16 - Duration: Data not available - Notes: Data not available

2-Butanone oxime - CAS: 96-29-7
Bioaccumulation: Not bioaccumulative - Test: BCF - Bioconcentrantion factor 0.6 - Duration: Data not available - Notes: exposed MEKO 2mg/l

12.4. Mobility in soil

XYLENE MIXTURE OF ISOMERS
Mobility in soil: Mobile - Test: Data not available 48-129 - Duration: Data not available - Notes: Data not available

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. 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.
Waste should not be disposed of by release to sewers.
Contaminated packaging thinners and cleaning diluents must be landfilled.

SECTION 14: Transport information

14.1. UN number

ADR-UN number: UN 1263

14.2. UN proper shipping name

ADR-Shipping Name: Paint

14.3. Transport hazard class(es)

ADR-Class: 3

14.4. Packing group

ADR-Packing Group: III

14.5. Environmental hazards

ADR-Enviromental Pollutant: No

14.6. Special precautions for user

ADR-Tunnel Restriction Code: D/E

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Data not available

SECTION 15: Regulatory information

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

DIR.2004/42/CE. Subcategory g Type BS limit COV 350 g/l. Contained in product < 350 g/l.
Regulation (EU) No 528/2012 and subsequent amendments.
Dir. 98/24/EC (Risks related to chemical agents at work).
Directive 2000/39/CE (Occupational exposure limit values) and subsequent modifications: 2004/37/CE, 2006/15/CE and 2009/161/UE.
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) 2015/830
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)
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 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.
Regulation (EC) nr 648/2004 (detergents).
1999/13/EC (VOC directive)

Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II):

Data not available

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
EUH066 Repeated exposure may cause skin dryness or cracking.
H332 Harmful if inhaled.
H312 Harmful in contact with skin.
H373 May cause damage to organs through prolonged or repeated exposure.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H335 May cause respiratory irritation.
H361 Suspected of damaging fertility or the unborn child if inhaled and in contact with skin.
H351 Suspected of causing cancer.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H225 Highly flammable liquid and vapour.

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

The ECHA database on registered substances.

ESIS- European chemical Substances Information System.
eChemPortal- the global portal to Information on Chemical Substance.
GESTIS substance database.
Insert further consulted bibliography

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.
Legend of acronyms and abbreviations used in the safety data sheet:

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EC50:	Median effective concentration expected to produce a certain effect in 50% of test organisms
ECHA:	European Chemicals Agency
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of notified Chemical Substances
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).
IC50:	Half maximal inhibitory concentration.
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
NOEC:	No Observed Effect Concentration
Numero EC:	EINECS and ELINCS Number
OEL:	Substance with a Union workplace exposure limit.
PBT:	Persistent, Bioaccumulative and Toxic substance
PNEC:	Predicted No Effect Concentration.
REACH:	Regulation (EC) No 1907/2006 Registration, Evaluation, Authorisation and Restriction of Chemicals
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
SVHC:	Substances of Very High Concern
TLV:	Threshold Limiting Value.
UE:	European Union
vPvB:	Very Persistent and Very Bioaccumulative