SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name:	CATALIZZATORE KIT VETRORESINA
Product code:	40.039
UFI code:	PFVR-V4KS-D10D-85YR

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

Main use category: Hardener for polyester resin
Specification of use: Repair and manufacture of glass fiber reinforced plastic

1.3 Details of the supplier of the safety data sheet

Company name:	Silpar TK snc
Address:	Via Rosa Luxemburg 12/14 10093 - Collegno (TO)
Telephone:	+39 011 7791177
Fax:	+39 011 7791177
Email:	sicurezza@silpartkline.com

1.4 Emergency telephone number

CAVp "Osp. Pediatrico Bambino Gesù - Roma	Tel. +39 06 68593726
Az. Osp. Univ. Foggia	Tel. +39 0881 732326
Az. Osp. "A. Cardarelli" – Napoli	Tel. +39 081 7472870
CAV Policlinico "Umberto I" – Roma	Tel. +39 06 49978000
CAV Policlinico "A. Gemelli" – Roma	Tel. +39 06 3054343
Az. Osp. "Careggi" U.O. Tossicologia Medica – Firenze	Tel. +39 055 7947819
CAV Centro Nazionale di Informazione Tossicologica – Pavia	Tel. +39 0382 24444
Osp. Niguarda Ca' Granda – Milano	Tel. +39 02 66101029
Azienda Ospedaliera Papa Giovanni XXII – Bergamo	Tel. +39 800 883300
Azienda Ospedaliera Universitaria Integrata Verona	Tel. +39 800 011858

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Reg. EU n°1272/2008 [CLP]
Org. Perox. D H242
Acute Tox. 4 (oral) H302
Skin Corr. 1B H314
Eye Dam. 1 H318

2.2 Label elements

Hazard pictograms: 

Signal word: Danger

Hazard statements: H242 Heating may cause a fire.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.

Precautionary statements:
P101 If medical advice is needed, have product container or label at hand

P102 Keep out of reach of children
P103 Read label before use
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P234 Keep only in the original packaging.
P260 Do not breathe vapours/spray.
P264 Wash hands thoroughly after use.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P310 Immediately call a POISON CENTER/doctor.
P403 + P235 Store in a well-ventilated place. Keep in a cool place.
P405 Keep locked up.
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations

Contains:
Reaction masses of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide.

2.3 Other hazards
Substance vPvB: None - Substance PBT: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
N.A.

3.2 Mixtures

1.CAS 2.N° EC 3.N° Index 4.N° REACH	Name	Weight (%)	Classification 1272/2008 (CLP)
1.131-11-3 2.205-011-6 3.Not Available 4.01-2119437229-36-XXXX	Dimethyl Phthalate	40-65	Not Classified
1.1338-23-4 2.700-954-4 3.617-021-00-1 4.01-2119514691-43-XXXX	Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide	25-40	Org. Perox. D H242 Acute Tox. 4 H302 Skin Corr. 1B H314 Eye Dam. 1H318 Acute Tox. 4 (Inhalation), H332
1.78-93-3 2.201-159-0 3.606-002-00-3 4.01-2119457290-43-XXXX	Butanone	5-10	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336
1.111-46-6 2.203-872-2 3.603-140-00-6 4.01-2119457857-21-XXXX	2,2'-ossidietanolo; dietilen glicole	5-10	Acute Tox. 4 (Oral), H302 STOT RE 2, H373

The full text of the H phrases is given in section 16 of the safety data sheet

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
Eye contact: In case of contact with the eyes, rinse them with water for an adequate amount of time and keeping the eyelids open, then immediately consult an ophthalmologist.
Protect the uninjured eye.
Skin contact: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.
Ingestion: Do not under any circumstances induce vomiting. SEEK MEDICAL EXAMINATION

	IMMEDIATELY
Inhalation	Remove to open air. If unwell, contact a doctor.

4.2 Most important symptoms and effects, both acute and delayed
For symptoms and effects caused by the contained substances, see chap. 11.

4.3 Indication of any immediate medical attention and special treatment needed
In the event of an accident or discomfort, consult a doctor immediately (if possible show the instructions for use or the safety data sheet).

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media
SUITABLE EXTINGUISHING EQUIPMENT
Extinguishing substances are: carbon dioxide, foam, chemical powder.
UNSUITABLE EXTINGUISHING EQUIPMENT
Do not use jets of water.

5.2 Special hazards arising from the substance or mixture
HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
Do not breathe combustion products.
Do not breathe fumes.
In the event of a fire, the following may form:
- carbon monoxide (CO)
- carbon dioxide (CO2)
- sulfur dioxide (SO2)

5.3 Advice for firefighters
Cool the containers with jets of water to avoid decomposition of the product and the development of substances potentially dangerous to health. Always wear full fire protection equipment. Collect extinguishing water that must not be discharged into sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Block the leakage if there is no hazard.
Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2 Environmental precautions
Prevent the product from spilling or entering drains or waterways. Spills or uncontrolled discharges into watercourses should be reported immediately to the Environment Agency or other appropriate regulatory body.

6.3 Methods and material for containment and cleaning up
Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4 Reference to other sections
Refer to sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Keep away from heat, sparks and open flames, do not smoke or use matches or lighters. Without adequate ventilation, vapors can accumulate on the ground and ignite even remotely, if triggered, with the risk of backfire. Avoid the

accumulation of electrostatic charges. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering eating areas. Avoid dispersing the product into the environment.

7.2 Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a cool, well-ventilated place, away from heat sources, open flames, sparks and other sources of ignition. Store containers away from any incompatible materials, checking section 10.

7.3 Specific end use(s)

See section 1.2

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Dimethyl Phthalate (131-11-3)
EU - Occupational exposure limit values
IOELV TWA (mg/m^3) 5 mg/m^3
USA - ACGIH - Occupational exposure limit values
Local name Dimethyl phthalate
ACGIH TWA (mg/ m^3) 5 mg/m^3
Dimethyl Phthalate (131-11-3)
Comment (ACGIH) TLV® Basis: Eye & URT irr
ACGIH 2020 regulatory reference
Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide (1338-23-4)
USA - ACGIH - Occupational exposure limit values
Local name Methyl ethyl ketone peroxide
ACGIH Ceiling (ppm) 0.2 ppm
Comment (ACGIH) TLV® Basis: Eye & skin irr; liver & kidney dam
ACGIH 2020 regulatory reference
BUTANE (78-93-3)
USA - ACGIH - Occupational exposure limit values
Local name Methyl ethyl ketone (ME K)
ACGIH TWA (ppm) 200 ppm
ACGIH S TE L (ppm) 300 ppm
Comment (ACGIH) TLV® Basis: URT irr; CNS & PNS impair. Notations: EIB
ACGIH 2020 regulatory reference
USA - ACGIH - Biological exposure indices
Local name ME THYL E THY L KE TONE
Biological Exposure Indices (BEI) 2 mg/l Parameter: Methyl ethyl ketone - Medium: urine - Sampling time: End of shift -
Notations: Our
ACGIH 2020 regulatory reference

Derived No Effect Level (DNEL)

Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide

Dermal 3 mg/kg bw/day (Systemic, chronic)
Inhalation 5,288 mg/m^3 (Systemic, chronic)
Inhalation 15,864 mg/m^3 (Systemic, acute)
Dermal 1.5 mg/kg bw/day (Systemic, chronic) *
Inhalation 1,125 mg/m^3 (Systemic, chronic) *
Oral 0.75 mg/kg bw/day (Systemic, chronic) *

Butanone

Dermal 1 161 mg/kg bw/day (Systemic, chronic)
Inhalation 600 mg/m^3 (Systemic, chronic)
Dermal 412 mg/kg bw/day (Systemic, chronic) *
Inhalation 106 mg/m^3 (Systemic, chronic) *
Oral 31 mg/kg bw/day (Systemic, chronic) *

* Values referring to the general population

PNEC exposure limit values

Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide

0.006 mg/L (Fresh water)
0.001 mg/L (Water - intermittent release)
0.056 mg/L (Sea water)
0.088 mg/kg sediment dw (Sediment (Freshwater))
0.009 mg/kg sediment dw (Sediments (Marine))
0.014 mg/kg soil dw (Soil)
1.2 mg/L (STP)

Butanone

55.8 mg/L (Fresh water)
55.8 mg/L (Water - intermittent release)
55.8 mg/L (Sea water)
284.74 mg/kg sediment dw (Sediment (Freshwater))
284.7 mg/kg sediment dw (Sediments (Marine))
22.5 mg/kg soil dw (Soil)
709 mg/L (STP)
1000 mg/kg food (Oral)

Technical controls

Ensure adequate ventilation, especially in confined areas.
Make sure eye washers and showers are close to the workplace.
Use anti-exposure equipment
Provide an emergency exit.

8.2 Exposure controls

Hands protection	Protect hands with category work gloves (ref. Standard EN 374). For the final choice of the material of the work gloves it is necessary to consider: compatibility, degradation, breakage time and permeation. In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it is not foreseeable. Gloves have a wear time that depends on the duration and method of use.
Respiratory protection	Air concentration levels should be kept below exposure limits. When the concentration in the air exceeds the TLV, respiratory protection is required: use approved EN149 FFP2 masks or half-face respirators Type EN140 with Filter Type EN143:A2 or full-face respirators EN136 (Filter Type EN143:A2).
Eye and face protection	Wear protective goggles (see standard EN 166).
Body and skin protection:	Wear professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Colour:	Colorless
Odour:	Characteristic
Odour threshold:	N.A.
pH:	N.A.
Melting point/freezing point:	N.A.
Initial boiling point and boiling range:	N.A.
Flash point:	N.A.
Evaporation rate:	N.A.
Flammability (solid, gas):	N.A.
Upper/lower flammability or explosive limits:	N.A.

Vapour pressure:	N.A.
Vapour density (Air=1):	N.A.
Relative density (Water=1):	1,16 ±0,005 gr/cm ^{3} @20 °C
Solubility(ies):	N.A.
Partition coefficient: n-octanol/water:	N.A.
Auto-ignition temperature (°C):	N.A.
Decomposition temperature:	N.A.
Kinematic viscosity:	N.A.
Explosive properties:	N.A.
Oxidising properties:	N.A.

9.2 Other information

Saturation concentration: 9.4 – 9.6 %
S ADT: 60°C

9.2.1. Information with regard to physical hazard classes

Risk of fire due to heating.

9.2.2. Other safety characteristics

Information not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

It can explode even in the absence of air.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Organic peroxides. At high temperature: risk of violent reaction (decomposition)

10.4 Conditions to avoid

Avoid: the accumulation of electrostatic charges, heating, heat, flames and hot surfaces.
Temperatures above 30°C

10.5 Incompatible materials

Strong oxidizing agents, strong reducing agents, acids, bases, amines, transition metal salts, sulfur compounds, rust, ash dust. Respect the conditions of use with: accelerators (amines, metallic salts)

10.6 Hazardous decomposition products

From thermal decomposition, formation of very reactive free radicals.
Thermal decomposition into flammable and toxic products
Ethane – Methane – Ethyl – Carbon oxides

SECTION 11: TOXICOLOGICAL INFORMATION

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

Unless otherwise specified, the data required by Regulation (EU) 878/2020 indicated below are to be considered N.A.:
a) acute toxicity
Dimethyl Phthalate (131-11-3)
LD50 oral rat 8200 mg/kg body weight Animal: rat
Dermal LD50 rabbit > 12000 mg/kg body weight Animal: rabbit
Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide (1338-23-4)
LD50 oral rat 1017 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 879 - 1175
LD50 skin rabbit 4000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 2000 - 8000

LC50 inhalation rat (mg/l) 1.5 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), 95% CL: 1400 – 1610
The product is classified Acute Tox. 4 (Oral), H302
b) skin corrosion/irritation
The product is classified: Skin Corr. 1B H314
c) serious eye damage/serious eye irritation
Based on available data, the classification criteria are not met.
d) respiratory or skin sensitization
Based on available data, the classification criteria are not met.
e) mutagenicity of germ cells
Based on available data, the classification criteria are not met.
f) carcinogenicity
Based on available data, the classification criteria are not met.
g) reproductive toxicity
Based on available data, the classification criteria are not met.
h) specific target organ toxicity (STOT) – single exposure
Based on available data, the classification criteria are not met.
(i) specific target organ toxicity (STOT) – repeated exposure
j) danger in case of aspiration
Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Risk of fire due to heating.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Endpoint	Duration test (hours)	Species	Value
Dimethyl Phthalate			
LC50	96h	Fish	39mg/l
EC50	72h	Algae	204mg/l
LOEC	21d	Crustaceans	23mg/l
NOEC	21d	Crustaceans	9.6mg/l
NOEC	21d	Fish	11mg/l
2-butanone,-perossido			
EC10(ECx)	72h	Algae	1.7mg/l
LC50	96h	Fish	44.2mg/l
EC50	72h	Alghe	3.2mg/l
EC50	48h	Crustaceans	39mg/l
Butanone			
NOEC(ECx)	48h	Crustaceans	68mg/l
LC50	96h	Fish	>324mg/L
EC50	72h	Algae	1972mg/l
EC50	48h	Crustaceans	308mg/l
EC50	96h	Algae	>500mg/l
2,2'-oxydiethanol; diethylene glycol			
EC50	96h	Algae	4566mg/l
EC50	72h	Algae	>6500<13000mg/l
EC50	48h	Crustaceans	>100mg/l
LC50	96h	Fish	>100mg/l
NOEC(ECx)	192h	Algae	800mg/l

12.2 Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
Dimethyl Phthalate	LOW (Half-life = 14 days)	LOW (Half-life = 46.58 days)
Butanone	LOW (Half-life = 14 days)	LOW (Half-life = 26.75 days)
2,2'-oxydiethanol; diethylene glycol		

LOW LOW

12.3 Bioaccumulative potential

Dimethyl Phthalate
LOW (BCF = 57)
Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
LOW (LogKOW = -0.5762)
Butanone
LOW (LogKOW = 0.29)
2,2'-oxydiethanol; diethylene glycol
LOW (BCF = 180)

12.4 Mobility in soil

Dimethyl Phthalate
LOW (KOC = 37.09)
Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide
LOW (KOC = 10.58)
Butanone
MEDIUM(KOC = 3.827)
2,2'-oxydiethanol; diethylene glycol
HIGH (KOC = 1)

12.5 Results of PBT and vPvB assessment

On the basis of available data, the product does not contain PBT or vPvB substances in percentage greater than 0.1%.

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. Waste transportation may be subject to ADR restrictions.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

ADR-UN number: 3105
IATA-Un number: 3105
IMDG-Un number: 3105

14.2 UN proper shipping name

ADR-Shipping Name: ORGANIC PEROXIDE TYPE D, LIQUID
IATA-Technical name: ORGANIC PEROXIDE TYPE D, LIQUID
IMDG-Technical name: ORGANIC PEROXIDE TYPE D, LIQUID

14.3 Transport hazard class(es)



ADR / RID: Class: 5.2 Label: 5.2
IMDG: Class: 5.2 Label: 5.2
IATA: Class: 5.2 Label: 5.2

14.4 Packing group
ADR-Packing Group: -
IATA-Packing group: -
IMDG-Packing group: -

14.5 Environmental hazards
Marine pollutant: No

14.6 Special precautions for user
ADR / RID: HIN - Kemler: -- Limited Quantities: 0.125 L Tunnel restriction code: (D)
Special Provision:-
IMDG: EMS: F-J, S-R Limited Quantities: 0.125 L
IATA: Cargo: Maximum quantity: 10 L Packaging instructions: 570
Pass.: Maximum quantity: 5 L Packaging instructions: 570
Special provision: A20, A150, A802

14.7 Maritime transport in bulk according to IMO instruments
Information not relevant.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.
Seveso Category - Directive 2012/18/EC:
P6b

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.
Restrictions related to the product:
Restriction 3
Restriction 40
Restrictions relating to the substances contained:
Restriction 28
Restriction 70
Restriction 72
Restriction 75

Substances subject to authorisarion (Annex XIV REACH).
None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:
None.

Substances subject to the Rotterdam Convention:
None.

Substances subject to the Stockholm Convention:
None.

Healthcare controls.
Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

Volatile Organic Compounds - VOC = 640 g / l
Volatile Organic Compounds - VOC = 85%
This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions and significant disappearances and thefts must be reported to the national contact point qualified.

15.2 Chemical safety assessment
A chemical safety assessment has not been carried out for the mixture

SECTION 16: OTHER INFORMATION

Full text of H codes mentioned in sections 2 - 3

H225 Highly flammable liquid and vapour
H242 Risk of fire due to heating
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
H319 Causes serious eye irritation.
H332 Harmful if inhaled
H336 May cause drowsiness or dizziness
H373 May cause damage to organs through prolonged or repeated exposure

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

Classification and procedure used to derive it according to regulation (EC) 1272/2008 [CLP] in relation to mixture:

Org. Perox. D H242 - Calculation method
Acute Tox. 4 (oral) H302 - Calculation method
Skin Corr. 1B H314 - Calculation method
Eye Dam. 1 H318 - Calculation method

GENERAL BIBLIOGRAPHY

Regulation (EU) 1907/2006 of the European Parliament (REACH)
Regulation (EU) 1272/2008 of the European Parliament (CLP)
Regulation (EU) 2020/878 (Annex II REACH Regulation)
Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
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Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
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Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
Regulation (EU) 2016/1179 (IX Atp. CLP)
Regulation (EU) 2017/776 (X Atp. CLP)
Regulation (EU) 2018/669 (XI Atp. CLP)
Regulation (EU) 2019/521 (XII Atp. CLP)
Delegated Regulation (EU) 2018/1480 (XIII Atp. CLP)
Regulation (EU) 2019/1148
Delegated Regulation (EU) 2020/217 (XIV Atp. CLP)
Delegated Regulation (EU) 2020/1182 (XV Atp. CLP)
Delegated Regulation (EU) 2021/643 (XVI Atp. CLP)
Delegated Regulation (EU) 2021/849 (XVII Atp. CLP)
Delegated Regulation (EU) 2022/692 (XVIII Atp. CLP)
Regulation (EU) 2020/878 of the European Parliament

The Merck Index. - 10th Edition
Handling Chemical Safety
INRS - Fiche Toxicologique (toxicological sheet)
Patty - Industrial Hygiene and Toxicology
N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
ECHA website

Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.
This document must not be regarded as a guarantee on any specific product property.
The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.
Provide appointed staff with adequate training on how to use chemical products

Changes compared to the previous version:
01/02/03/04/05/06/07/08/09/10/11/12/13/14/15/16