

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

Product name: SYNT  
Commercial code: 40.008  
UFI code: KVSJ-F3HM-MOOD-GWR5

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

Lubricant (aerosol)

**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](mailto: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]

Aerosols 1, H222+H229  
Aquatic Chronic 3 H412

**2.2 Label elements**

Hazard pictograms:

Signal word: Danger

Hazard statements: H222 Extremely flammable aerosol  
H229 Pressurised container: May burst if heated  
H412 Harmful to aquatic life with long lasting effects

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand  
P102 Keep out of reach of children  
P103 ("Read label before use)

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 dust/fume/gas/mist/ vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/ national/international regulations

### 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. 8042-47-5 2. 232-455-8 3. Not Available 4. 01-2119487078-27 -XXXX	Mineral oil	30-40	Substance with a workplace exposure limit set at Union level.
1. 106-97-8 2. 203-448-7 3. 601-004-00-0 4. 01-2119474691-32 -XXXX	butane	25-30	Flam. Gas 1 H220 Press. Gas H280
1. 74-98-6 2. 200-827-9 3. 601-003-00-5 4. 01-2119486944-21-XXXX	Propane	15-20	Flam. Gas 1 H220 Press. Gas H280
1. Not Available 2. 931-254-9 3. Not Available 4. 01-2119484651-34 -XXXX	Hydrocarbons, C6, isoalkanes, <5% of n- Hexane	7-10	Flam. Liq. 2 H225 Asp. Tox. 1 H304 Skin Irrit. 2 H315 STOT SE 3 H336 Aquatic Chronic 2 H411
1. 75-28-5 2. 200-857-2 3. 601-004-00-0 4. 01-2119485395-27-XXXX	Isobutane	7-10	Flam. Gas 1 H220 Press. Gas H280

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



## Safety data sheet

SYNT

According to Regulation (EC) 1907/2006 - Regulation 878/2020

Data of issue 12/01/2022

Printing date 02/01/2023

Revision 1 of 02/01/2023

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

In case of overheating, the aerosol containers can deform, burst and can be thrown a considerable distance. Wear a safety helmet before approaching the fire. Avoid breathing combustion products.

### 5.3 Advice for firefighters

Wear full fireproof protective equipment (Type EN 11611 or EN469), with compressed air breathing apparatus (Type EN 137), helmet with visor and neck protection (Type EN443), heat-resistant gloves (Type EN407).

Cool the containers hit by the fire with water spray to avoid overheating. Do not let extinguishing media enter sewers or water courses. If feasible from a safety point of view, move undamaged containers from the area of immediate danger. Collect the contaminated water used to extinguish the fire separately. Do not discharge it into the sewer system.

## **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 water courses. Spills or uncontrolled discharges into water courses 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

Pressurized container. Do not pierce or burn even after use. Do not use in the presence of open flames or other sources of ignition. Not smoking. Avoid the accumulation of electrostatic charges. Do not vaporize on flames or incandescent bodies. Do not spray on hot surfaces.

USE ONLY IN A WELL-VENTILATED PLACE.

Vapors can ignite with explosion. Accumulation must therefore be avoided by keeping doors and windows open and ensuring good cross ventilation. The vapors are heavier than air and can accumulate on the ground and, without adequate ventilation, if triggered, they can catch fire even at a distance with the risk of backfire. Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F.

Avoid contact with skin and eyes, inhalation of vapors and mists.

Measures for environmental protection:

Minimize the release of the mixture into the air and the surrounding environment, avoiding accidental spills and keeping the product stored away from sewage drains.

Work hygiene precautions:

Contaminated clothing must be replaced before entering the dining areas. During work, do not eat, drink or smoke in the work areas. Wash your hands after using the product. Avoid contact with skin and eyes, inhalation of vapors and mists. Do not use empty containers before they have been cleaned. Before transferring operations, make sure that there are no incompatible residual materials in the containers. See also paragraph 8 for recommended protective devices.

### 7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Store in a well-ventilated place away from direct sunlight.

Recommended storage temperature: 15 °C to 30 °C.

Keep away from naked flames, sparks, heat sources and any source of combustion.

Keep the containers in an upright and safe position avoiding the possibility of falls or bumps.

Do not store the product in corridors and stairways. Store the product only in original and closed packaging, not puncture or open aerosol containers. Keep away from food, drink and feed.

Incompatible materials:

DO NOT store together with oxidizing, self-igniting, self-heating substances, organic peroxides, agents oxidants, pyrophoric liquids and solids, explosives. See also paragraph 10 below.

Indication for the premises:

Fresh and adequately ventilated. Avoid the accumulation of electrostatic charges.

Storage Classes:

Refer to section 15.1 for Storage Classes / Limits (Seveso III).

### 7.3 Specific end use(s)

See section 1.2

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### 8.1 Control parameters

Mineral oil - CAS: 8042-47-5

TLV TWA - 5 mg / m<sup>3</sup> (8h)

TLV STEL - 10 mg / m<sup>3</sup> (15 min)

butane - CAS: 106-97-8

ACGIH - STEL: 1000 ppm - Notes: (EX) - CNS impair

propane - CAS: 74-98-6

ACGIH - Notes: (D, EX) - Asphyxia

Hydrocarbons, C<sub>6</sub>, isoalkanes, <5% of n-Hexane

TLV TWA - 1200 mg / m<sup>3</sup>

isobutane - CAS: 75-28-5

ACGIH - STEL: 1000 ppm - Notes: (EX) - CNS impair

#### **Derived No Effect Level (DNEL)**

##### **Hydrocarbons, C<sub>6</sub>, isoalkanes, <5% of n-Hexane**

Consumer: 1301 mg / kg - Exposure: Human Oral - Frequency: Long term, systemic effects - Notes: bw / day

Industrial worker: 13964 mg / m<sup>3</sup> - Consumer: 1377 mg / kg - Exposure: Human Dermal - Frequency: Long term, systemic effects - Notes: bw / day

Industrial worker: 5306 mg / m<sup>3</sup> - Consumer: 1137 mg / m<sup>3</sup> - Exposure: Human inhalation - Frequency: Long term, systemic effects - Notes: bw / day

#### **PNEC exposure limit values**

N.A.

# Safety data sheet

SYNT

According to Regulation (EC) 1907/2006 - Regulation 878/2020

Data of issue 12/01/2022

Printing date 02/01/2023

Revision 1 of 02/01/2023

## 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	Concentration levels in the air should be kept below exposure limits. Respiratory protection is required when the concentration in the air exceeds the TLV: use EN149 FFP2 approved masks or Type EN140 half-face respirators 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 clean antistatic clothing with consistent coverage and antistatic safety footwear for professional use of category S2 (Type EN20345). In case of prolonged contact, use protective clothing impermeable to this material: shirts, aprons or full coveralls (Type EN 340-EN13034).

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance:	Container under pressure with base and liquefied gas
Colour:	Grey
Odour:	Characteristic (of light petroleum products)
Odour threshold:	N.A.
pH:	N.A.
Melting point/freezing point:	N.A.
Initial boiling point and boiling range:	N.A.
Flash point:	< 0 °C
Evaporation rate:	N.A.
Flammability (solid, gas):	N.A.
Upper/lower flammability or explosive limits:	15 Vol % - 1.8 Vol %
Vapour pressure:	N.A.
Vapour density (Air=1):	>2
Relative density (Water=1):	N.A.
Solubility(ies):	Insoluble in water
Partition coefficient: n-octanol/water:	N.A.
Auto-ignition temperature (°C):	> 300 °C
Decomposition temperature:	N.A.
Kinematic viscosity:	N.A.
Explosive properties:	Non-explosive product
Oxidising properties:	N.A.

### 9.2 Other information

Information not available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable under normal conditions.

### 10.2 Chemical stability



## Safety data sheet

SYNT

According to Regulation (EC) 1907/2006 – Regulation 878/2020

Data of issue 12/01/2022

Printing date 02/01/2023

Revision 1 of 02/01/2023

Pressurized container. Do not pierce or burn even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F. Refer to the directions in section 7 for handling and storage.

### 10.3 Possibility of hazardous reactions

Under normal conditions of use and storage no dangerous reactions are foreseeable. The vapors, if released, can form explosive mixtures with the air. Aerosol containers, if overheated, can deform, burst and be thrown at a considerable distance.

### 10.4 Conditions to avoid

Avoid overheating.

### 10.5 Incompatible materials

Avoid contact with oxidizing materials. The product could catch fire. Avoid contact with strong reducing and oxidizing agents, strong acids and bases, high temperature materials.

### 10.6 Hazardous decomposition products

It does not decompose when used for its intended uses.

## **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 understood as N.A. .:

Toxicological information about the product:

SYNT

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 / eye irritation

Not classified

Based on available data, the classification criteria are not met.

d) respiratory or skin sensitization

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) specific target organ toxicity (STOT) - single exposure

Not classified

Based on available data, the classification criteria are not met.

i) specific target organ toxicity (STOT) - repeated exposure

Not classified

Based on available data, the classification criteria are not met.

j) danger in case of aspiration

Not classified

Based on available data, the classification criteria are not met.

Toxicological information concerning the main substances present in the product:

butane - CAS: 106-97-8

## Safety data sheet

### SYNT

According to Regulation (EC) 1907/2006 - Regulation 878/2020

Data of issue 12/01/2022

Printing date 02/01/2023

Revision 1 of 02/01/2023

#### a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat 658 mg / l - Duration: 4h  
propane - CAS: 74-98-6

#### a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat 658 mg / l - Duration: 4h

#### b) skin corrosion / irritation:

No irritating and corrosive effects on the skin and mucous membranes.

#### c) serious eye damage / eye irritation:

Contact with liquefied gas can cause cold burns.

Hydrocarbons, C6, isoalkanes, <5% of n-Hexane

#### a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 20 mg / l - Duration: 4h

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

Test: LD50 - Route: Skin - Species: Rabbit > 3000 mg / kg

#### Further information:

Vapor concentrations above the recommended exposure levels are irritating to the eyes and respiratory tract, can cause headache and dizziness, have an anesthetic effect and cause other central nervous system effects.

Repeated and / or prolonged skin contact with low viscosity materials can degrease the skin with possible development of irritation and dermatitis. Small amounts of fluid, aspirated into the lungs in case of ingestion or vomiting, can cause chemical pneumonia or pulmonary edema.

### 11.2 Information on other hazards

Flammable product

## **SECTION 12: ECOLOGICAL INFORMATION**

### 12.1 Toxicity

The product is classified: Aquatic Chronic 3 - H412

Hydrocarbons, C6, isoalkanes, <5% of n-Hexane

#### a) Acute aquatic toxicity:

Endpoint: LC50 - Species: *Oryzias latipes* > 1 mg / l - Duration h: 48

Endpoint: LC50 - Species: *Daphnia magna* = 3.87 mg / l - Duration h: 48

Endpoint: ErL50 - Species: Algae (*Pseudokirchneriella subcapitata*) = 55 mg / l - Duration h: 72

Endpoint: NOEC - Species: Algae (*Pseudokirchneriella subcapitata*) = 30 mg / l - Duration h: 72

xylene (reactive mixture of ethylbenzene, m-xylene and p-xylene)

#### a) Acute aquatic toxicity:

Endpoint: LC50 - Species: Fish 2.6 mg / l - Duration h: 96 - Notes: p-xylene

Endpoint: EC50 - Species: *Daphnia magna* 1 mg / l - Duration h: 24 - Notes: o-xylene

#### b) Chronic aquatic toxicity:

Endpoint: NOEC - Species: Fish > 1.3 mg / l - Notes: mix-xylene

Endpoint: NOEC - Species: *Daphnia magna* 0.96 mg / l - Notes: 7 day - ethylbenzene

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

#### a) Acute aquatic toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg / l - Duration h: 96 - Notes: *Oncorhynchus mykiss*

Endpoint: LC50 - Species: *Daphnia* = 1000 mg / l - Duration h: 48 - Notes: *Daphnia magna*

Endpoint: EC50 - Species: Algae > 1000 mg / l - Duration h: 72 - Notes: *Pseudokirchneriella subcapitata*

#### b) Chronic aquatic toxicity:

Endpoint: NOEC - Species: Fish = 0.131 mg / l - Notes: *Oncorhynchus mykiss*

Endpoint: NOEC - Species: *Daphnia* = 100 mg / l - Notes: *Daphnia magna*

### 12.2 Persistence and degradability

Hydrocarbons, C6, isoalkanes, <5% of n-Hexane

Biodegradability: Rapidly degradable

### 12.3 Bioaccumulative potential

Information not available

### 12.4 Mobility in soil

Information not available

### 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.

Additional disposal information:

CER CODE = 160504

## **SECTION 14: TRANSPORT INFORMATION**

### 14.1 UN number or ID number

ADR-UN number: 1950

IATA-Un number: 1950

IMDG-Un number: 1950

### 14.2 UN proper shipping name

ADR-Shipping Name: Aerosol

IATA-Technical name: Aerosol

IMDG-Technical name: Aerosol

### 14.3 Transport hazard class(es)



ADR-Class: 2 5F

ADR-Label: 2

ADR - Hazard identification number: -

IATA-Class: 2.1

IATA-Label: 2.1

IMDG-Class: 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



## Safety data sheet

SYNT

According to Regulation (EC) 1907/2006 - Regulation 878/2020

IATA-Passenger Aircraft: ---

IATA-Cargo Aircraft: 203

IMDG-Technical name: Aerosol

IMDG-Page: F-D, S-U

Data of issue 12/01/2022

Printing date 02/01/2023

Revision 1 of 02/01/2023

### 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.

Seveso Category - Directive 2012/18/EC:

P3a

Substances subject to authorisation (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.

### 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

- H222 Extremely flammable aerosol
- H225 Highly flammable liquid and vapor.
- H229 Pressurised container: May burst if heated
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

### 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%

# Safety data sheet

SYNT

Data of issue 12/01/2022

Printing date 02/01/2023

Revision 1 of 02/01/2023

According to Regulation (EC) 1907/2006 - Regulation 878/2020

- 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:

Aerosols 1, H222, H229 - Based on experimental evidence  
Aquatic Chronic 3 H412 - 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)  
Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)  
Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)  
Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)  
Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)  
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