Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

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

1.1. Product identifier

Code: **0118300**
Product name **GIOLLINA**

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

Intended use **IDROPITTURA TRASPIRANTE PER INTERNI A BASE DI LEGANTI SINTETICI IN EMULSIONE, PIGMENTI E RIEMPITIVI**

Identified Uses	Industrial	Professional	Consumer
FINITURA DECORATIVA PER INTERNO	-	-	✓

Uses Advised Against
NON INGERIRE

1.3. Details of the supplier of the safety data sheet

Name **GIOLLI S.r.l.**
Full address **Via E.Ferrari, sn**
District and Country **61030 Calcinelli di Saltara (PU)**
ITA
Tel. +39 721 899935
Fax +39 721 876065
e-mail address of the competent person responsible for the Safety Data Sheet **info@colorificiogiolli.it**

Product distribution by: **Sig. Pietrelli Massimiliano**

1.4. Emergency telephone number

For urgent inquiries refer to **0039 0721 899935 GIOLLI S.r.l. //\\ 0039 0557 947819 Centro Antiveleni (Anti-poison Center) Ospedale Careggi (FI)**

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

Hazard classification and indication: --

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms: --

Signal words: --

Hazard statements:
EUH210 Safety data sheet available on request.
EUH208 Contains: MISCUGLIO DI 5-CLORO-2-METIL-2H ISOTIAZOLO-3-ONE(CAS 26172-55-4) E DI 2-METIL-2H-ISOTIAZOLO-3-ONE (CAS 2682-20-4)
1,2-BENZISOTIAZOL-3(2H)-ONE
May produce an allergic reaction.

Precautionary statements: --

SECTION 2. Hazards identification ... / >>

VOC (Directive 2004/42/EC) :
Matt coatings for interior walls and ceilings.
VOC given in g/litre of product in a ready-to-use condition : 5,97
Limit value: 30,00
- Thinned with : 50,00 % WATER

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

SECTION 3. Composition/information on ingredients

3.1. Substances

BENZENE, MONO-C10-13-ALCHIL DERIVATI, RESIDUI DISTIL.
N.A.

3.2. Mixtures

Contains:

Identification **x = Conc. %** **Classification 1272/2008 (CLP)**

CARBONATO DI CALCIO NATURALE MACINATO
CAS *1317-65-3* 66 ≤ x < 70
EC *215-279-6*
INDEX
WATER
CAS *7732-18-5* 25,5 ≤ x < 27
EC *231-791-2*
INDEX
POLIMERO VINIL-ACRILICO
CAS 1,5 ≤ x < 2
EC
INDEX

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.
SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.
INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.
INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

CARBONATO DI CALCIO NATURALE MACINATO
In caso di contatto con gli occhi lavare a fondo con abbondante acqua,
consultare il medico

4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

CARBONATO DI CALCIO NATURALE MACINATO
Lavare con abbondante acqua.

4.3. Indication of any immediate medical attention and special treatment needed

CARBONATO DI CALCIO NATURALE MACINATO
In caso di malessere persistente, consultare un medico.
Non provocare il vomito
Consultare subito il medico ed esibire la scheda di sicurezza

SECTION 5. Firefighting measures

CARBONATO DI CALCIO NATURALE MACINATO
Sostanza non infiammabile, disposizioni non applicabili

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT
The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.
UNSUITABLE EXTINGUISHING EQUIPMENT
None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION
Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

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.

CARBONATO DI CALCIO NATURALE MACINATO
Raccogliere a secco.
Trattare il materiale raccolto secondo la legislazione vigente(TU.152/06 e m.i.)
in discariche autorizzate.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.
Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

STOCCAGGIO ED IMMAGAZZINAMENTO : 1 ANNO NELLA CONFEZIONE ORIGINALE E NON MANOMESSA
STORAGE: 1 YEAR IN THE ORIGINAL PACKAGE AND NOT TAMPERED

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

SECTION 7. Handling and storage ... / >>

CARBONATO DI CALCIO NATURALE MACINATO
Consigli per l'utilizzo sicuro : Nell'impiego di prodotti chimici osservare le normali norme di prevenzione del lavoro (T.U. 81/08 e m.i.)

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

CARBONATO DI CALCIO NATURALE MACINATO
Requisiti del magazzino : Conservare il recipiente ben chiuso
Conservare al riparo dall'umidità

7.3. Specific end use(s)

CARBONATO DI CALCIO NATURALE MACINATO
insieme ad altri prodotti : Non immagazzinare con acidi

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81

CARBONATO DI CALCIO NATURALE MACINATO

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
VLEP	ITA	10				INHAL
VLEP	ITA	3				RESP

Legend:
(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

CARBONATO DI CALCIO NATURALE MACINATO
Maschera antipolvere idonea

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.
When choosing personal protective equipment, ask your chemical substance supplier for advice.
Personal protective equipment must be CE marked, showing that it complies with applicable standards.
HAND PROTECTION
Protect hands with category III work gloves (see standard EN 374).
The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.
The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.
SKIN PROTECTION
Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.
EYE PROTECTION
Wear airtight protective goggles (see standard EN 166).
RESPIRATORY PROTECTION
If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.
Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.
If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.
ENVIRONMENTAL EXPOSURE CONTROLS
The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 8. Exposure controls/personal protection ... / >>

COUMARIN-FEMA0
Mezzi protettivi individuali:
Norme generali protettive e di igiene del lavoro:
Osservare le misure di sicurezza usuali nella manipolazione di sostanze chimiche.Non inalare polver/fumo/nebbia. Togliere immediatamente gli abiti contaminati.
Evitare il contatto con gli occhi e la pelle. Sono necessari locali dotati di lavabi, docce e spogliatoio a parte.
Lavarsi le mani prima dell'intervallo o a lavoro terminato. Durante il lavoro è vietato mangiare, bere e fumare.
-Maschera protettiva: nelle esposizioni brevi e minime utilizzare la maschera; nelle esposizioni più intense e durature indossare l'autorespiratore. Filtro P2.
-Guanti protettivi: utilizzare guanti protettivi. Guanti resistenti agli agenti chimici (EN 374).Scelta del materiale dei guanti in considerazione dei tempi di passaggio, dei tassi di permeazione e della degradazione.
-Materiale dei guanti: Gomma nitrilica spessore del materiale consigliato: 0,11 mm.
La scelta dei guanti adatti non dipende soltanto dal materiale bensì anche da altre caratteristiche di qualità variabili da un produttore ad un altro.
-Tempo di permeazione del materiale dei guanti: tempo di permeazione> 480 minuti. Richiedere al fornitore dei guanti il tempo di passaggio preciso che deve essere rispettato.
-Occhiali protettivi:occhiali protettivi a tenuta (EN 166).
-Tuta protettiva:Indossare la tuta protettiva.
-Limitazione e controllo dell'esposizione ambientale: non disponibile.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties		Value	Information
Appearance		pasty	
Colour		white	
Odour		mild	
Odour threshold		Not available	
pH		8,5	
Melting point / freezing point		Not available	
Initial boiling point		Not available	
Boiling range		Not available	
Flash point	>	61 °C	
Evaporation rate		Not available	
Flammability (solid, gas)		Not available	
Lower inflammability limit		Not available	
Upper inflammability limit		Not available	
Lower explosive limit		Not available	
Upper explosive limit		Not available	
Vapour pressure		Not available	
Vapour density		Not available	
Relative density		1,70 +/- 0,10 g/cm3	
Solubility		miscible	
Partition coefficient: n-octanol/water		Not available	
Auto-ignition temperature		Not available	
Decomposition temperature		Not available	
Viscosity		75.000 cPs ± 10.000 cPs (ASTA 6 , RPM 10 , a 20°C)	
Explosive properties		Not available	
Oxidising properties		Not available	

9.2. Other information

Total solids (250°C / 482°F)	71,80 %			
VOC (Directive 2004/42/EC) :	0,53 %	-	8,95	g/litre
VOC (volatile carbon) :	0,20 %	-	3,46	g/litre

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

FORMALDEHYDE
Acqueous solutions are stabilised with methanol but tend to polymerise over time.

SECTION 10. Stability and reactivity ... / >>

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

POLIMERO VINIL-ACRILICO
Stable in normal conditions of use and storage.

Stabile nelle normali condizioni di stoccaggio ed utilizzo.

Stable under normal conditions of storage and use.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

CARBONATO DI CALCIO NATURALE MACINATO
Può reagire con acidi con sviluppo di anidride carbonica (CO_2) che può spostare l'ossigeno (pericolo di soffocamento)

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

CARBONATO DI CALCIO NATURALE MACINATO
Nessuna raccomandazione

10.5. Incompatible materials

CARBONATO DI CALCIO NATURALE MACINATO
Tenere lontano da Acidi

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.
It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

BENZENE, MONO-C10-13-ALCHIL DERIVATI, RESIDUI DISTIL.
CONTATTO CON GLI OCCHI: NON IRRITANTE (CONIGLIO)
CONTATTO CON LA PELLE: NON IRRITANTE, NON PROVOCA EFFETTI DI SENSIBILIZZAZIONE.
L'ASPIRAZIONE PUO' PROVOCARE DANNI NEL TRATTO RESPIRATORIO E NEI POLMONI

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture: Not classified (no significant component)

SECTION 11. Toxicological information ... / >>

ATE (Oral) of the mixture: Not classified (no significant component)
ATE (Dermal) of the mixture: Not classified (no significant component)

CARBONATO DI CALCIO NATURALE MACINATO
LD50 (Oral) > 2000 mg/kg RATTO

POLIMERO VINIL-ACRILICO
LD50 (Oral) > 5000 mg/kg RATTO
LD50 (Dermal) > 5000 mg/kg CONIGLIO
LC50 (Inhalation) > 15,23 mg/l/1h RATTO

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.
Contains:
MISCUGLIO DI 5-CLORO-2-METIL-2H ISOTIAZOLO-3-ONE(CAS 26172-55-4) E DI 2-METIL-2H-ISOTIAZOLO-3-ONE (CAS 2682-20-4)
1,2-BENZISOTIAZOL-3(2H)-ONE

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

BENZENE, MONO-C10-13-ALCHIL DERIVATI, RESIDUI DISTIL.
TEST SU DAFNIE ALGHE: NON TOSSICO NELLE CONDIZIONI DI PROVA (SCARSA SOLUBILITA' IN ACQUA)

CARBONATO DI CALCIO NATURALE MACINATO
LC50 - for Fish > 10000 mg/l/96h PISCES
EC50 - for Crustacea > 1000 mg/l/48h DAFNIE
EC50 - for Algae / Aquatic Plants > 200 mg/l/72h ALGHE

SECTION 12. Ecological information ... / >>

POLIMERO VINIL-ACRILICO

LC50 - for Fish	> 100 mg/l/96h ONCORHYNCHUS MYKISS
EC50 - for Crustacea	> 100 mg/l/48h DAPHNIA MAGNA
EC50 - for Algae / Aquatic Plants	> 1000 mg/l/72h SELENASTRUM CAPRICORNUTUM

12.2. Persistence and degradability

BENZENE, MONO-C10-13-ALCHIL DERIVATI, RESIDUI DISTIL.
NON FACILMENTE BIODEGRADABILE

4-TERT-BUTYLCYCLOHEXYL ACETATE-FEMA0
IL PRODOTTO E' BIODEGRADABILE: 75% (29 DAYS) EU METHOD C.4-C

12.3. Bioaccumulative potential

BENZENE, MONO-C10-13-ALCHIL DERIVATI, RESIDUI DISTIL.
N.A.

12.4. Mobility in soil

BENZENE, MONO-C10-13-ALCHIL DERIVATI, RESIDUI DISTIL.
N.A.

12.5. Results of PBT and vPvB assessment

BENZENE, MONO-C10-13-ALCHIL DERIVATI, RESIDUI DISTIL.
NESSUNA

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

12.6. Other adverse effects

BENZENE, MONO-C10-13-ALCHIL DERIVATI, RESIDUI DISTIL.
NESSUNO

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

CARBONATO DI CALCIO NATURALE MACINATO
In caso di necessità, smaltire il materiale come rifiuto non pericoloso, codice CER 010410 (Polveri prodotte dalla lavorazione della pietra, diverso da quelli di cui alla voce 010407), lo smaltimento va affidato a soggetti autorizzati, e conferito in discarica autorizzata come da legislazione vigente.
Per l'eventuale smaltimento dei sacchi di carta vuoti utilizzare il codice CER 150101 (Imballaggi di carta e cartone) mentre per i Big Bags vuoti utilizzare il codice CER 150102 (Imballaggi in plastica).

BENZENE, MONO-C10-13-ALCHIL DERIVATI, RESIDUI DISTIL.
RECUPERARE SE POSSIBILE. OPERARE SECONDO LE VIGENTI DISPOSIZIONI LOCALI E NAZIONALI

TETRAMETILOL ACETILENE DIUREA
Il prodotto deve essere sottoposto a trattamento speciale in osservanza delle disposizioni amministrative di legge.
Operazioni di smaltimento adeguato secondo il regolamento 2008/98/EC relativa ai rifiuti: D 10 Incenerimento a terra.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

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

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: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Contained substance

Point 72 FORMALDEHYDE

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%.

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

Information not available

SECTION 15. Regulatory information ... / >>

VOC (Directive 2004/42/EC) :
Matt coatings for interior walls and ceilings.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

EUH210 Safety data sheet available on request.

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
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY
1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
16. Regulation (EU) 2019/521 (XII Atp. CLP)

- 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
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

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.

CALCULATION METHODS FOR CLASSIFICATION
Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.
Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.
Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.