

## Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878

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

#### 1.1. Product identifier

Code: 048  
Product name: NORDCOLOR

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

Intended use: PROTECTIVE PAINT

#### 1.3. Details of the supplier of the safety data sheet

Name: NORD RESINE S.p.A.  
Full address: Via Fornace Vecchia, 79  
District and Country: 31058 Susegana (TV) Italia  
Tel.: +39 0438-437511  
Fax: +39 0438-435155

e-mail address of the competent person responsible for the Safety Data Sheet: annabreda@nordresine.com

Supplier: NORD RESINE S.p.A.

#### 1.4. Emergency telephone number

For urgent inquiries refer to:

**Ireland**  
National Poisons Information Centre  
+353 018092166  
+353 018092566

**Malta**  
Malta Competition and Consumer Affairs Authority (MCCAA)  
+356 2395 2000

**Belgium**  
Centre Antipoisons: +32 022649636

**Germany**  
BfR Bundesinstitut für Risikobewertung: +49 30184120

**Netherlands**  
National Poisons Information Center / University Medical Center Utrecht  
+31 88 75 585 61

**Croatia**  
Croatian Institute of Public Health, Division for Toxicology: +38514686910

**Sveden**  
Swedish Poisons Information Centre: +46104566750

### SECTION 2. Hazards identification

#### 2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Reproductive toxicity, effects on or via lactation H362 May cause harm to breast-fed children.

## SECTION 2. Hazards identification ... / >>

Hazardous to the aquatic environment, chronic toxicity, category 3

H412

Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

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

Hazard pictograms: --

Signal words: --

Hazard statements:

**H362**

May cause harm to breast-fed children.

**H412**

Harmful to aquatic life with long lasting effects.

**EUH208**

Contains: REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) 1,2-BENZISOTHIAZOLIN-3-ONE

May produce an allergic reaction.

Precautionary statements:

**P260**

Do not breathe dust / fume / gas / mist / vapours / spray.

**P201**

Obtain special instructions before use.

**P263**

Avoid contact during pregnancy and while nursing.

**P308+P313**

IF exposed or concerned: Get medical advice / attention.

**P273**

Avoid release to the environment.

**Contains:**

chlorinated paraffins, C14-17

VOC (Directive 2004/42/EC) :

One - pack performance coatings.

VOC given in g/litre of product in a ready-to-use condition :

14,51

Limit value:

140,00

### 2.3. Other hazards

PBT substances contained:

chlorinated paraffins, C14-17

The product does not contain substances with endocrine disrupting properties in concentration  $\geq 0.1\%$ .

## SECTION 3. Composition/information on ingredients

### 3.2. Mixtures

Contains:

Identification

**x = Conc. %**

**Classification (EC) 1272/2008 (CLP)**

**TITANIUM DIOXIDE**

INDEX

$7 \leq x < 11$

**EUH212**

EC 236-675-5

CAS 13463-67-7

REACH Reg. 01-2119489379-17

**chlorinated paraffins, C14-17**

INDEX 602-095-00

$0,5 \leq x < 1$

**Lact. H362, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1, EUH066**

EC 287-477-0

CAS 85535-85-9

REACH Reg. 01-2119519269-33

### SECTION 3. Composition/information on ingredients ... / >>

#### AMMONIA

INDEX 007-001-01-2 0 < x < 0,1

Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411, Classification note according to Annex VI to the CLP Regulation: B  
STOT SE 3 H335: ≥ 5%

EC 215-647-6  
CAS 1336-21-6  
REACH Reg. 01-2119488876-14

#### 2-BUTOXYETHANOL

INDEX 603-014-00-0 0 < x < 0,1

Acute Tox. 3 H331, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315  
LD50 Oral: 1200 mg/kg, LC50 Inhalation vapours: 3 mg/l/4h

EC 203-905-0  
CAS 111-76-2  
REACH Reg. 01-2119475108-36

#### 1,2-BENZISOTHAZOLIN-3-ONE

INDEX 613-088-00-6 0 < x < 0,01

Acute Tox. 2 H330, Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1

EC 220-120-9  
CAS 2634-33-5  
REACH Reg. 01-2120761540-60

#### METHANOL

INDEX 603-001-00-X 0 < x < 0,01

Flam. Liq. 2 H225, Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, STOT SE 1 H370  
STOT SE 2 H371: ≥ 3% - < 10%  
ATE Oral: 100 mg/kg, ATE Dermal: 300 mg/kg, ATE Inhalation vapours: 3 mg/l

EC 200-659-6  
CAS 67-56-1

REACH Reg. 01-2119433307-44

#### Quartz

INDEX 0 < x < 0,01

STOT RE 1 H372

EC 238-878-4  
CAS 14808-60-7

#### REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHAZOL-3-ONE AND 2-METHYL-2H-ISOTHAZOL-3-ONE (3:1)

INDEX 613-167-00-5 0 < x < 0,0015

Acute Tox. 2 H310, Acute Tox. 2 H330, Acute Tox. 3 H301, Skin Corr. 1C H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100, EUH071, Classification note according to Annex VI to the CLP Regulation: B

EC

Skin Corr. 1C H314: ≥ 0,6%, Skin Irrit. 2 H315: ≥ 0,06% - < 0,6%, Skin Sens. 1A H317: ≥ 0,0015%, Eye Dam. 1 H318: ≥ 0,6%, Eye Irrit. 2 H319: ≥ 0,06% - < 0,6%

CAS 55965-84-9

ATE Oral: 100 mg/kg, LD50 Dermal: 87,12 mg/kg, LC50 Inhalation mists/powders: 0,171 mg/l/4h

REACH Reg. 01-2120764691-48

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

In case of doubt or in the presence of symptoms contact a doctor and show him this document.

In case of more severe symptoms, ask for immediate medical aid.

EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Take off contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice.

Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.

INHALATION: Remove victim to fresh air, away from the accident scene. Get medical advice/attention.

#### Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

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

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

**SECTION 4. First aid measures ... / >>**

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

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

IF exposed or concerned: Get medical advice / attention.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

**SECTION 5. Firefighting measures****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.

**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****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.

Laterite

Nord

Resine

Sistemi impermeabilizzanti e rivestimenti tecnici

NORD RESINE S.p.A.

048 - NORDCOLOR

Revision nr.6

Dated 25/07/2025

Printed on 25/07/2025

Page n. 5 / 16

Replaced revision:5 (Dated 04/07/2023)

EN

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

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.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

ALB

Shqipëria

VENDIM Nr. 522, datë 6.8.2014 PËR MIRATIMIN E RREGULLORES "PËR MBROJTJEN E SIGURISË DHE SHËNDETIT TË PUNËMARRËSVE NGA RISQET E LIDHURA ME AGJENTËT KIMIKË NË PUNË"

CZE

Česká Republika

NAŘÍZENÍ VLÁDY ze dne 18. října 2023, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů

DEU

Deutschland

WirkungDosisNOAELMAK-und BAT-Werte-Liste 2024 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe

ESP

España

Límites de exposición profesional para agentes químicos en España 2024

FRA

France

Valeurs limites d'exposition professionnelle aux agents chimiques en FranceDécret n° 2021-1849 du 28 décembre 2021

GRC

Ελλάδα

Π.Δ. 26/2020 (ΦΕΚ 50/Α` 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ "σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιγόνους παράγοντες κατά την εργασία"»

HUN

Magyarország

Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről

HRV

Hrvatska

PRAVILNIK O IZMJENAMA I DOPUNAMA PRAVILNIKA O ZAŠTITI RADNIKA OD IZLOŽENOSTI OPASNIM KEMIČALIJAMA NA RADU, GRANIČNIM VRIJEDNOSTIMA IZLOŽENOSTI I BIOLOŠKIM GRANIČNIM VRIJEDNOSTIMA

ITA

Italia

Decreto Legislativo 9 Aprile 2008, n.81

NLD

Nederland

Regeling van de Minister van Sociale Zaken en Werkgelegenheid van 13 mei2024, nr. 2024-0000092805, tot wijziging van deArbeidsomstandighedenregeling in verband met de implementatie vanRichtlijn 2022/431

PRT

Portugal

Decreto-Lei n.º 102/2024, de 4 de dezembro. Sumário: Transpõe para a ordem jurídica interna a Diretiva (UE) 2022/431, relativa à proteção dos trabalhadores contra riscos ligados à exposição a agentes cancerígenos ou mutagénicos e procede à quarta alteração

POL

Polska

ROZPORZĄDZENIE MINISTRA RODZINY, PRACY I POLITYKI SPOŁECZNEJ z dnia 24 czerwca 2024 r. zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy

ROU

România

HOTĂRÂRE nr. 179 din 28 februarie 2024 pentru modificarea și completarea Hotărârii Guvernului nr. 1.093/2006 privind stabilirea cerințelor minime de securitate și sănătate pentru protecția lucrătorilor împotriva riscurilor legate de expunerea la agenți ca

RUS

Россия

ПОСТАНОВЛЕНИЕ от 13 февраля 2018 г. N 25 ОБ УТВЕРЖДЕНИИ ГИГИЕНИЧЕСКИХ НОРМАТИВОВ ГН 2.2.5.3532-18 "ПРЕДЕЛЬНО ДОПУСТИМЫЕ КОНЦЕНТРАЦИИ (ПДК) ВРЕДНЫХ ВЕЩЕСТВ В ВОЗДУХЕ РАБОЧЕЙ ЗОНЫ"

SVN

Slovenija

Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti rakotvornim, mutagenim ali reprotoksičnim snovem pri delu. Ljubljana, četrtek 4. 4. 2024

GBR

United Kingdom

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

EU

OEL EU

Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.

ACGIH

ACGIH 2025

AMMONIA

Threshold Limit Value

Type

Country

TWA/8h

STEL/15min

Remarks / Observations

mg/m3

ppm

mg/m3

ppm

OEL

EU

14

20

36

50

EPY 11.9.2 - SDS 1004.14

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

**TITANIUM DIOXIDE**

**Threshold Limit Value**

| Type      | Country | TWA/8h<br>mg/m3 | ppm | STEL/15min<br>mg/m3 | ppm | Remarks / Observations |
|-----------|---------|-----------------|-----|---------------------|-----|------------------------|
| MAK       | DEU     | 0,3             |     | 2,4                 |     | RESP Hinweis           |
| VLA       | ESP     | 10              |     |                     |     |                        |
| VLEP      | FRA     | 10              |     |                     |     |                        |
| TLV       | GRC     |                 | 10  |                     |     |                        |
| GVI/KGVI  | HRV     | 10              |     |                     |     | INHAL                  |
| GVI/KGVI  | HRV     | 4               |     |                     |     | RESP                   |
| NDS/NDSch | POL     | 10              |     |                     |     | INHAL                  |
| TLV       | ROU     | 10              |     | 15                  |     |                        |
| ПДК       | RUS     | 10              |     |                     |     | a, φ                   |
| WEL       | GBR     | 10              |     |                     |     | INHAL                  |
| WEL       | GBR     | 4               |     |                     |     | RESP                   |
| ACGIH     |         | 0,2             |     |                     |     | RESP                   |

**Quartz**

**Threshold Limit Value**

| Type      | Country | TWA/8h<br>mg/m3 | ppm  | STEL/15min<br>mg/m3 | ppm | Remarks / Observations              |
|-----------|---------|-----------------|------|---------------------|-----|-------------------------------------|
| VLA       | ESP     |                 | 0,05 |                     |     | RESP                                |
| VLEP      | FRA     | 0,1             |      |                     |     | RESP                                |
| GVI/KGVI  | HRV     | 0,1             |      |                     |     |                                     |
| VLEP      | ITA     | 0,1             |      |                     |     | RESP Allegato XXXVIII D. Lgs. 81/08 |
| TGG       | NLD     | 0,075           |      |                     |     | RESP                                |
| VLE       | PRT     | 0,05            |      |                     |     | RESP                                |
| NDS/NDSch | POL     | 0,1             |      |                     |     | RESP                                |
| TLV       | ROU     | 0,1             |      |                     |     | RESP                                |
| MV        | SVN     | 0,05            |      |                     |     | RESP                                |
| OEL       | EU      | 0,1             |      |                     |     | RESP                                |
| ACGIH     |         | 0,025           |      |                     |     | RESP                                |

**REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE**

(3:1)

**Threshold Limit Value**

| Type      | Country | TWA/8h<br>mg/m3 | ppm | STEL/15min<br>mg/m3 | ppm | Remarks / Observations |
|-----------|---------|-----------------|-----|---------------------|-----|------------------------|
| MAK       | DEU     | 0,2             |     | 0,4                 |     | INHAL                  |
| NDS/NDSch | POL     | 0,2             |     | 0,4                 |     | SKIN                   |

**METHANOL**

**Threshold Limit Value**

| Type      | Country | TWA/8h<br>mg/m3 | ppm | STEL/15min<br>mg/m3 | ppm | Remarks / Observations             |
|-----------|---------|-----------------|-----|---------------------|-----|------------------------------------|
| TLV       | ALB     | 260             | 200 |                     |     | SKIN                               |
| TLV       | CZE     | 250             | 188 | 1000                | 751 | SKIN                               |
| AGW       | DEU     | 130             | 100 | 260                 | 200 | SKIN                               |
| MAK       | DEU     | 130             | 100 | 260                 | 200 | SKIN                               |
| VLA       | ESP     | 266             | 200 |                     |     | SKIN                               |
| VLEP      | FRA     | 260             | 200 |                     |     | SKIN                               |
| TLV       | GRC     | 260             | 200 | 325                 | 250 |                                    |
| AK        | HUN     | 260             | 200 |                     |     | SKIN                               |
| GVI/KGVI  | HRV     | 260             | 200 |                     |     | SKIN                               |
| VLEP      | ITA     | 260             | 200 |                     |     | SKIN Allegato XXXVIII D.Lgs. 81/08 |
| TGG       | NLD     | 133             |     |                     |     | SKIN                               |
| VLE       | PRT     | 260             | 200 |                     |     | SKIN                               |
| NDS/NDSch | POL     | 100             |     | 300                 |     | SKIN                               |
| TLV       | ROU     | 260             | 200 |                     |     | SKIN                               |
| ПДК       | RUS     | 5               |     | 15                  |     | n                                  |
| MV        | SVN     | 260             | 200 | 1040                | 800 | SKIN                               |
| WEL       | GBR     | 266             | 200 | 333                 | 250 | SKIN                               |
| OEL       | EU      | 260             | 200 |                     |     |                                    |
| ACGIH     |         | 262             | 200 | 328                 | 250 | SKIN                               |

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

**2-BUTOXYETHANOL**

**Threshold Limit Value**

| Type      | Country | TWA/8h |      | STEL/15min |      | Remarks / Observations |                               |
|-----------|---------|--------|------|------------|------|------------------------|-------------------------------|
|           |         | mg/m3  | ppm  | mg/m3      | ppm  |                        |                               |
| TLV       | ALB     | 98     | 20   | 246        | 50   | SKIN                   |                               |
| TLV       | CZE     | 100    | 20,4 | 200        | 40,8 | SKIN                   |                               |
| AGW       | DEU     | 49     | 10   | 98         | 20   | SKIN                   |                               |
| MAK       | DEU     | 49     | 10   | 98         | 20   | SKIN                   | Hinweis                       |
| VLA       | ESP     | 98     | 20   | 245        | 50   | SKIN                   |                               |
| VLEP      | FRA     | 49     | 10   | 246        | 50   | SKIN                   |                               |
| TLV       | GRC     | 120    | 25   |            |      |                        |                               |
| AK        | HUN     | 98     | 20   | 246        | 50   | SKIN                   |                               |
| GVI/KGVI  | HRV     | 98     | 20   | 246        | 50   | SKIN                   |                               |
| VLEP      | ITA     | 98     | 20   | 246        | 50   | SKIN                   | Allegato XXXVIII D.Lgs. 81/08 |
| TGG       | NLD     | 100    |      | 246        |      | SKIN                   |                               |
| VLE       | PRT     | 98     | 20   | 246        | 50   | SKIN                   |                               |
| NDS/NDSch | POL     | 98     |      | 200        |      | SKIN                   |                               |
| TLV       | ROU     | 98     | 20   | 246        | 50   | SKIN                   |                               |
| ПДК       | RUS     |        |      | 10         |      |                        | n                             |
| MV        | SVN     | 98     | 20   | 246        | 50   | SKIN                   |                               |
| WEL       | GBR     | 123    | 25   | 246        | 50   | SKIN                   |                               |
| OEL       | EU      | 98     | 20   | 246        | 50   | SKIN                   |                               |
| ACGIH     |         | 97     | 20   |            |      |                        |                               |

**Predicted no-effect concentration - PNEC**

|                                                       |      |         |
|-------------------------------------------------------|------|---------|
| Normal value in fresh water                           | 8,8  | mg/l    |
| Normal value in marine water                          | 0,88 | mg/l    |
| Normal value for fresh water sediment                 | 34,6 | mg/kg/d |
| Normal value for marine water sediment                | 3,46 | mg/kg/d |
| Normal value for marine water, intermittent release   | 26,4 | mg/l    |
| Normal value of STP microorganisms                    | 463  | mg/l    |
| Normal value for the food chain (secondary poisoning) | 20   | mg/kg   |
| Normal value for the terrestrial compartment          | 2,33 | mg/kg/d |

**Health - Derived no-effect level - DNEL / DMEL**

| Route of exposure | Effects on consumers |                    |               |                   | Effects on workers |                |               |                  |
|-------------------|----------------------|--------------------|---------------|-------------------|--------------------|----------------|---------------|------------------|
|                   | Acute local          | Acute systemic     | Chronic local | Chronic systemic  | Acute local        | Acute systemic | Chronic local | Chronic systemic |
| Oral              |                      | 26,7<br>mg/kg bw/d |               | 6,3<br>mg/kg bw/d |                    |                |               |                  |
| Inhalation        | 147<br>mg/m3         | 426<br>mg/m3       | NPI           | 59<br>mg/m3       | 246<br>mg/m3       | 1091<br>mg/m3  | NPI           | 98<br>mg/m3      |
| Skin              | MED                  | NPI                | NPI           | NPI               | MED                | NPI            | NPI           | LOW              |

**chlorinated paraffins, C14-17**

**Predicted no-effect concentration - PNEC**

|                                                       |        |          |
|-------------------------------------------------------|--------|----------|
| Normal value in fresh water                           | 0,001  | mg/l     |
| Normal value in marine water                          | 0,0002 | mg/l     |
| Normal value for fresh water sediment                 | 13     | mg/Kg/ d |
| Normal value for marine water sediment                | 2,6    | mg/Kg/ d |
| Normal value of STP microorganisms                    | 80     | mg/l     |
| Normal value for the food chain (secondary poisoning) | 10     | mg/kg    |
| Normal value for the terrestrial compartment          | 11,9   | mg/kg/d  |

**Health - Derived no-effect level - DNEL / DMEL**

| Route of exposure | Effects on consumers |                |               |                     | Effects on workers |                |               |                       |
|-------------------|----------------------|----------------|---------------|---------------------|--------------------|----------------|---------------|-----------------------|
|                   | Acute local          | Acute systemic | Chronic local | Chronic systemic    | Acute local        | Acute systemic | Chronic local | Chronic systemic      |
| Oral              |                      | NPI            | NPI           | 0,58<br>mg/kg bw/d  |                    |                |               |                       |
| Inhalation        | NPI                  | NPI            | NPI           | 2<br>mg/m3          | NPI                | NPI            | NPI           | 6,7<br>mg/m3          |
| Skin              | NPI                  | NPI            | NPI           | 28,75<br>mg/kg bw/d | NPI                | NPI            | NPI           | 47,9<br>mg/kg<br>bw/d |

**Legend:**

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.  
VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

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

### 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.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, permeability time.

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.

Protect your hands with gloves of the following type:

Material: Nitrile rubber (NBR)

Thickness: > 0,35 mm

Breakthrough time: 480 min

#### 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 ISO 16321).

#### RESPIRATORY PROTECTION

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. 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).

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.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

## SECTION 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| Properties                             | Value          | Information                                |
|----------------------------------------|----------------|--------------------------------------------|
| Appearance                             | viscous liquid |                                            |
| Colour                                 | various        |                                            |
| Odour                                  | characteristic |                                            |
| Melting point / freezing point         | not determined |                                            |
| Initial boiling point                  | not determined |                                            |
| Flammability                           | not determined |                                            |
| Lower explosive limit                  | not determined |                                            |
| Upper explosive limit                  | not determined |                                            |
| Flash point                            | > 100 °C       |                                            |
| Auto-ignition temperature              | not determined |                                            |
| Decomposition temperature              | not determined |                                            |
| pH                                     | 8,7            | Method:ISO 976<br>Temperature: 23 °C       |
| Kinematic viscosity                    | not available  |                                            |
| Solubility                             | miscible       |                                            |
| Partition coefficient: n-octanol/water | not applicable |                                            |
| Vapour pressure                        | not determined |                                            |
| Density and/or relative density        | 1,3 kg/l       | Method:EN ISO 2811-1<br>Temperature: 23 °C |
| Relative vapour density                | not available  |                                            |
| Particle characteristics               | not applicable |                                            |

### 9.2. Other information

9.2.1. Information with regard to physical hazard classes

## SECTION 9. Physical and chemical properties ... / >>

Information not available

9.2.2. Other safety characteristics

VOC (Directive 2004/42/EC) : 1,12 % - 14,51 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.

AMMONIA

Corrodes: aluminium,iron,zinc,copper,copper alloys.

2-BUTOXYETHANOL

Decomposes under the effect of heat.

chlorinated paraffins, C14-17

Reacts with: alkaline metals,alkaline earth metals.

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

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

AMMONIA

Risk of explosion on contact with: strong acids,iodine.May react dangerously with: strong bases.

2-BUTOXYETHANOL

May react dangerously with: aluminium,oxidising agents.Forms peroxides with: air.

### 10.4. Conditions to avoid

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

2-BUTOXYETHANOL

Avoid exposure to: sources of heat,naked flames.

chlorinated paraffins, C14-17

Avoid contact with: strong oxidising agents.

Avoid exposure to: heat,overheated surfaces.

### 10.5. Incompatible materials

AMMONIA

Incompatible with: silver,silver salts,lead,lead salts,zinc,zinc salts,hydrochloric acid,nitric acid,oleum,halogens,acrolein,nitromethane,acrylic acid.

### 10.6. Hazardous decomposition products

AMMONIA

May develop: nitric oxide.

2-BUTOXYETHANOL

May develop: hydrogen.

## 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 hazard classes as defined in Regulation (EC) No 1272/2008

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

METHANOL

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; contact with the skin of products containing the substance.

## SECTION 11. Toxicological information ... / >>

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

### METHANOL

The minimum lethal dose for humans by ingestion is considered to be in the range from 300 to 1000 mg/kg. Ingestion of 4-10 ml of the substance may cause permanent blindness in adult humans (IPCS).

### Interactive effects

Information not available

### ACUTE TOXICITY

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

### TITANIUM DIOXIDE

LD50 (Oral): > 10000 mg/kg Rat

### chlorinated paraffins, C14-17

LD50 (Oral): > 4000 mg/kg Rat

### AMMONIA

LD50 (Oral): 350 mg/kg Rat

### 2-BUTOXYETHANOL

LD50 (Dermal): > 2000 mg/kg Guinea pig

LD50 (Oral): 1200 mg/kg Guinea pig

LC50 (Inhalation vapours): 3 mg/l/4h Guinea pig

### 1,2-BENZISOTHIAZOLIN-3-ONE

LD50 (Dermal): > 2000 mg/kg Rat

LD50 (Oral): 450 mg/kg Rat

LC50 (Inhalation mists/powders): 0,21 mg/l/4h

### METHANOL

LC50 (Inhalation vapours): > 87,6 mg/l/4h Rat

### REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

LD50 (Dermal): 87,12 mg/kg Rabbit

LD50 (Oral): 457 mg/kg Rat

LC50 (Inhalation mists/powders): 0,171 mg/l/4h Rat

### SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

### 2-BUTOXYETHANOL

Species: rabbit

Result: irritating

Method: EU Method B.4

### SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

### 2-BUTOXYETHANOL

Species: rabbit

Result: irritating

Method: OECD 405

### RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Contains:

## SECTION 11. Toxicological information ... / >>

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)  
1,2-BENZISOTHIAZOLIN-3-ONE

### Skin sensitization

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)  
Species: Guinea Pig  
Result: sensitizing - S 171 (b)  
Method: OECD 406

### 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

May cause harm to breast-fed children.

### 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

## 11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

## SECTION 12. Ecological information

This product is dangerous for the environment and the aquatic organisms. In the long term, it has negative effects on the aquatic environment.

### 12.1. Toxicity

|                               |                                   |
|-------------------------------|-----------------------------------|
| chlorinated paraffins, C14-17 |                                   |
| LC50 - for Fish               | > 5000 mg/l/96h Alburnus alburnus |
| Chronic NOEC for Crustacea    | 1 mg/l 21 d                       |

|                      |                             |
|----------------------|-----------------------------|
| AMMONIA              |                             |
| LC50 - for Fish      | 47 mg/l/96h Channa punctata |
| EC50 - for Crustacea | 20 mg/l/48h Daphnia magna   |

|                                 |              |
|---------------------------------|--------------|
| 2-BUTOXYETHANOL                 |              |
| EC10 for Algae / Aquatic Plants | 370 mg/l/72h |

|                                         |                                               |
|-----------------------------------------|-----------------------------------------------|
| 1,2-BENZISOTHIAZOLIN-3-ONE              |                                               |
| LC50 - for Fish                         | 2,15 mg/l/96h Oncorhynchus mykiss             |
| EC50 - for Crustacea                    | 2,9 mg/l/48h Daphnia magna                    |
| EC50 - for Algae / Aquatic Plants       | 0,11 mg/l/72h Pseudokirchneriella subcapitata |
| Chronic NOEC for Algae / Aquatic Plants | 0,0403 mg/l Pseudokirchneriella subcapitata   |

|                                                                                                |                                      |
|------------------------------------------------------------------------------------------------|--------------------------------------|
| REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) |                                      |
| LC50 - for Fish                                                                                | 0,19 mg/l/96h Oncorhynchus mykiss    |
| EC50 - for Crustacea                                                                           | 0,16 mg/l/48h Daphnia magna          |
| EC50 - for Algae / Aquatic Plants                                                              | 0,0052 mg/l/72h Skeletonema costatum |
| Chronic NOEC for Fish                                                                          | 0,02 mg/l Danio rerio                |
| Chronic NOEC for Crustacea                                                                     | 0,1 mg/l Daphnia magna               |

**SECTION 12. Ecological information** ... / >>

Chronic NOEC for Algae / Aquatic Plants 0,00049 mg/l Skeletonema costatum

**12.2. Persistence and degradability**

**TITANIUM DIOXIDE**

Solubility in water < 0,001 mg/l

Degradability: information not available

chlorinated paraffins, C14-17

NOT rapidly degradable

**AMMONIA**

Degradability: information not available

**2-BUTOXYETHANOL**

Solubility in water 900000 mg/l

Rapidly degradable

**1,2-BENZISOTHIAZOLIN-3-ONE**

Solubility in water 1288 mg/l

Rapidly degradable

**METHANOL**

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

**REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)**

Solubility in water > 10000 mg/l

NOT rapidly degradable

**12.3. Bioaccumulative potential**

**2-BUTOXYETHANOL**

Partition coefficient: n-octanol/water 0,81

**1,2-BENZISOTHIAZOLIN-3-ONE**

Partition coefficient: n-octanol/water 0,7

BCF 6,62

**METHANOL**

Partition coefficient: n-octanol/water -0,77

BCF 0,2

**REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)**

Partition coefficient: n-octanol/water 0,75

BCF < 54

**12.4. Mobility in soil**

**1,2-BENZISOTHIAZOLIN-3-ONE**

Partition coefficient: soil/water 0,97

**12.5. Results of PBT and vPvB assessment**

PBT substances contained:

chlorinated paraffins, C14-17

**12.6. Endocrine disrupting properties**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

**12.7. Other adverse effects**

Information not 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.

The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## 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 or ID 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. 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/EU: None

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

Product

Point 3 - 40

Contained substance

Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

## SECTION 15. Regulatory information ... / >>

### Substances in Candidate List (Art. 59 REACH)

chlorinated paraffins, C14-17

REACH Reg.: 01-2119519269-33

### Substances subject to authorisation (Annex XIV REACH)

None

### Substances subject to exportation reporting pursuant to Regulation (EU) 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.

### VOC (Directive 2004/42/EC) :

One - pack performance coatings.

## 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:

|                          |                                                                    |
|--------------------------|--------------------------------------------------------------------|
| <b>Flam. Liq. 2</b>      | Flammable liquid, category 2                                       |
| <b>Lact.</b>             | Reproductive toxicity, effects on or via lactation                 |
| <b>Acute Tox. 2</b>      | Acute toxicity, category 2                                         |
| <b>Acute Tox. 3</b>      | Acute toxicity, category 3                                         |
| <b>STOT SE 1</b>         | Specific target organ toxicity - single exposure, category 1       |
| <b>Acute Tox. 4</b>      | Acute toxicity, category 4                                         |
| <b>STOT RE 1</b>         | Specific target organ toxicity - repeated exposure, category 1     |
| <b>Skin Corr. 1B</b>     | Skin corrosion, category 1B                                        |
| <b>Skin Corr. 1C</b>     | Skin corrosion, category 1C                                        |
| <b>Skin Corr. 1</b>      | Skin corrosion, category 1                                         |
| <b>Eye Dam. 1</b>        | Serious eye damage, category 1                                     |
| <b>Eye Irrit. 2</b>      | Eye irritation, category 2                                         |
| <b>Skin Irrit. 2</b>     | Skin irritation, category 2                                        |
| <b>STOT SE 3</b>         | Specific target organ toxicity - single exposure, category 3       |
| <b>Skin Sens. 1A</b>     | Skin sensitization, category 1A                                    |
| <b>STOT SE 2</b>         | Specific target organ toxicity - single exposure, category 2       |
| <b>Aquatic Acute 1</b>   | Hazardous to the aquatic environment, acute toxicity, category 1   |
| <b>Aquatic Chronic 1</b> | Hazardous to the aquatic environment, chronic toxicity, category 1 |
| <b>Aquatic Chronic 2</b> | Hazardous to the aquatic environment, chronic toxicity, category 2 |
| <b>Aquatic Chronic 3</b> | Hazardous to the aquatic environment, chronic toxicity, category 3 |
| <b>H225</b>              | Highly flammable liquid and vapour.                                |
| <b>H362</b>              | May cause harm to breast-fed children.                             |
| <b>H310</b>              | Fatal in contact with skin.                                        |
| <b>H330</b>              | Fatal if inhaled.                                                  |
| <b>H301</b>              | Toxic if swallowed.                                                |
| <b>H311</b>              | Toxic in contact with skin.                                        |
| <b>H331</b>              | Toxic if inhaled.                                                  |
| <b>H370</b>              | Causes damage to organs.                                           |
| <b>H302</b>              | Harmful if swallowed.                                              |
| <b>H372</b>              | Causes damage to organs through prolonged or repeated exposure.    |
| <b>H314</b>              | Causes severe skin burns and eye damage.                           |
| <b>H318</b>              | Causes serious eye damage.                                         |
| <b>H319</b>              | Causes serious eye irritation.                                     |
| <b>H315</b>              | Causes skin irritation.                                            |
| <b>H335</b>              | May cause respiratory irritation.                                  |
| <b>H317</b>              | May cause an allergic skin reaction.                               |
| <b>H371</b>              | May cause damage to organs.                                        |
| <b>H400</b>              | Very toxic to aquatic life.                                        |

### SECTION 16. Other information ... / >>

|               |                                                                                  |
|---------------|----------------------------------------------------------------------------------|
| <b>H410</b>   | Very toxic to aquatic life with long lasting effects.                            |
| <b>H411</b>   | Toxic to aquatic life with long lasting effects.                                 |
| <b>H412</b>   | Harmful to aquatic life with long lasting effects.                               |
| <b>EUH066</b> | Repeated exposure may cause skin dryness or cracking.                            |
| <b>EUH071</b> | Corrosive to the respiratory tract.                                              |
| <b>EUH212</b> | Warning! Hazardous respirable dust may be formed when used. Do not breathe dust. |

#### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 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: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 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: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- 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) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) 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) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
23. Delegated Regulation (UE) 2023/707
24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)
25. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)
26. Delegated Regulation (UE) 2024/197 (XXI Atp. CLP)

**SECTION 16. Other information ... / >>**

**27. Delegated Regulation (UE) 2024/2564 (XXII 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.

**Changes to previous review:**

The following sections were modified:

02 / 03 / 04 / 08 / 09 / 10 / 11 / 12 / 13 / 15 / 16.