

# SolidFlow PG7 Phthalocyanine Green

## Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis  
Issue date: 10/10/2024 Revision date: 2/19/2026 Version: 2.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : SolidFlow PG7 Phthalocyanine Green  
Product code : SF 650

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Synthetic pigment mixed with anionic and non-ionic surfactants

##### 1.2.2. Uses advised against

Restrictions on use : Other uses are not expected

#### 1.3. Details of the supplier of product safety information sheet

SIOF S.p.A.  
Via G. Garibaldi 62  
15068 Pozzolo Formigaro, Italy, AL  
[solidflow.it](http://solidflow.it)  
E-mail address of competent person responsible for the SDS : [info@solidflow.it](mailto:info@solidflow.it)

#### 1.4. Emergency telephone number

Emergency number : +39 0143417781 Opening hours 8am-12pm / 1pm-5pm

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII  
Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

| Name                             | Product identifier                                                    | Conc. % w/w | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|----------------------------------|-----------------------------------------------------------------------|-------------|-----------------------------------------------------------------|
| Polychloro copper phthalocyanine | CAS-No.: 1328-53-6<br>EC-No.: 215-524-7<br>REACH-no: 01-2119459333-39 | < 100       | Not classified                                                  |

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                                                                                                                                                        |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : If you feel unwell, seek medical advice.                                                                                                                                                             |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.                                                                                                                                       |
| First-aid measures after skin contact | : Wash skin with plenty of water.                                                                                                                                                                      |
| First-aid measures after eye contact  | : Rinse eyes with water as a precaution.                                                                                                                                                               |
| First-aid measures after ingestion    | : If you feel unwell, seek medical advice.                                                                                                                                                             |
| Self protection of the first-aiders   | : Even though no specific hazards are defined, first-aiders should wear eye protection, gloves and disposable half mask. Consider additional protection if repeated or prolonged exposition is likely. |

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

|                                     |                                                                                                                                        |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects after inhalation   | : None under normal conditions. Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure. |
| Symptoms/effects after skin contact | : None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.              |
| Symptoms/effects after eye contact  | : None under normal conditions. Dust from this product may cause eye irritation.                                                       |
| Symptoms/effects after ingestion    | : None under normal conditions.                                                                                                        |

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |                                    |
|--------------------------------|------------------------------------|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam.   |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

#### 5.2. Special hazards arising from the substance or mixture

|                                                  |                                |
|--------------------------------------------------|--------------------------------|
| Fire hazard                                      | : No fire hazard.              |
| Explosion hazard                                 | : No direct explosion hazard.  |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

#### 5.3. Advice for firefighters

|                                |                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.              |

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

##### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate unnecessary personnel.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

For containment : Using a clean shovel, put the material in a dry container and cover without compressing it.  
Methods for cleaning up : Mechanically recover the product.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer also to sections 8 and 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.  
Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures : Keep in a cool, well-ventilated place away from heat.  
Storage conditions : Keep cool. Protect from sunlight.  
Packaging materials : Always store product in container of same material as original container.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

No additional information available

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Protective gloves

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|                           |                    |
|---------------------------|--------------------|
| Physical state            | : Solid            |
| Colour                    | : Green.           |
| Appearance                | : Granules.        |
| Odour                     | : characteristic.  |
| Odour threshold           | : Not available    |
| Melting point             | : Not available    |
| Freezing point            | : Not applicable   |
| Boiling point             | : Not available    |
| Flammability              | : Non flammable    |
| Lower explosion limit     | : Not applicable   |
| Upper explosion limit     | : Not applicable   |
| Flash point               | : Not applicable   |
| Auto-ignition temperature | : Not applicable   |
| Decomposition temperature | : Not available    |
| pH                        | : Not available    |
| pH solution               | : Not available    |
| Viscosity, kinematic      | : Not applicable   |
| Solubility                | : Water: Insoluble |

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|                                                 |                                |
|-------------------------------------------------|--------------------------------|
| Partition coefficient n-octanol/water (Log Kow) | : Not available                |
| Vapour pressure                                 | : Not available                |
| Vapour pressure at 50°C                         | : Not available                |
| Density                                         | : Bulk density: 0,6 - 0,8 kg/l |
| Relative density                                | : Not available                |
| Relative vapour density at 20°C                 | : Not applicable               |
| Particle size                                   | : Not available                |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Strong oxidizing agents. reducing agents.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

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

|                             |                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------|
| Acute toxicity (oral)       | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (dermal)     | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (inhalation) | : Not classified (Based on available data, the classification criteria are not met) |

#### Polychloro copper phthalocyanine (1328-53-6)

|                           |                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------|
| LD50 oral rat             | > 5000 mg/kg (OECD 401 method)                                                      |
| Skin corrosion/irritation | : Not classified (Based on available data, the classification criteria are not met) |

#### Polychloro copper phthalocyanine (1328-53-6)

|                               |                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------|
| Additional information        | Not irritating to rabbit skin (study in accordance with OECD Guideline 404).        |
| Serious eye damage/irritation | : Not classified (Based on available data, the classification criteria are not met) |

#### Polychloro copper phthalocyanine (1328-53-6)

|                                   |                                                                                     |
|-----------------------------------|-------------------------------------------------------------------------------------|
| Additional information            | Not irritating (in vivo, rabbit, OECD 405)                                          |
| Respiratory or skin sensitisation | : Not classified (Based on available data, the classification criteria are not met) |

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### Polychloro copper phthalocyanine (1328-53-6)

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| Additional information | Non-sensitive in a mouse local lymph node test (OECD 429)                           |
| Germ cell mutagenicity | : Not classified (Based on available data, the classification criteria are not met) |

### Polychloro copper phthalocyanine (1328-53-6)

|                        |                                                                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Additional information | negative in in vitro tests (Ames tes OECD 471; In Vitro Mammalian Chromosomal Aberration OECD 473; In Vitro Mammalian Cell Gene Mutation Tests OECD 476). |
| Carcinogenicity        | : Not classified (Based on available data, the classification criteria are not met)                                                                       |
| Reproductive toxicity  | : Not classified (Based on available data, the classification criteria are not met)                                                                       |

### Polychloro copper phthalocyanine (1328-53-6)

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Additional information | Data derived from the histopathological part of subchronic and subacute studies with polychloro copper phthalocyanine as well as from a preliminary reproduction toxicity screening test with copper phthalocyanine suggest - together with the knowledge of the low bioavailability of the substances in question - that phthalocyanines are not considered to be able to induce effects on fertility and development. |
| STOT-single exposure   | : Not classified (Based on available data, the classification criteria are not met)                                                                                                                                                                                                                                                                                                                                     |
| STOT-repeated exposure | : Not classified (Based on available data, the classification criteria are not met)                                                                                                                                                                                                                                                                                                                                     |

### Polychloro copper phthalocyanine (1328-53-6)

|                        |                                                                                                                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Additional information | There were no significant toxic effects at doses of less than 300 mg/kg bw upon subacute oral exposure in rats. As a result the substance is not classified for repeated dose toxicity under Regulation (EC) No. 1272/2008. |
| Aspiration hazard      | : Not classified (Based on available data, the classification criteria are not met)                                                                                                                                         |

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Adverse health effects caused by endocrine disrupting properties | : The mixture does not contain substances included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1%. |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 11.2.2. Other information

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                                                                                         |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Ecology - general                                         | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified (Based on available data, the classification criteria are not met)                                     |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified (Based on available data, the classification criteria are not met)                                     |

### Polychloro copper phthalocyanine (1328-53-6)

|                      |                                                |
|----------------------|------------------------------------------------|
| LC50 - Fish [1]      | > 100 mg/l Oncorhynchus mykiss (Rainbow trout) |
| EC50 - Crustacea [1] | > 500 mg/l Daphnia magna (Water flea)          |
| EC50 72h - Algae [1] | > 100 mg/l Scenedesmus subspicatus             |

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### 12.2. Persistence and degradability

#### SolidFlow PG7 Phthalocyanine Green

|                               |                                               |
|-------------------------------|-----------------------------------------------|
| Persistence and degradability | No data are available on the mixture as such. |
|-------------------------------|-----------------------------------------------|

#### Polychloro copper phthalocyanine (1328-53-6)

|                               |                            |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
|-------------------------------|----------------------------|

### 12.3. Bioaccumulative potential

#### Polychloro copper phthalocyanine (1328-53-6)

|                                                 |             |
|-------------------------------------------------|-------------|
| Partition coefficient n-octanol/water (Log Pow) | -0.4 (23°C) |
|-------------------------------------------------|-------------|

|                           |                                           |
|---------------------------|-------------------------------------------|
| Bioaccumulative potential | Bioaccumulation is not expected to occur. |
|---------------------------|-------------------------------------------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### SolidFlow PG7 Phthalocyanine Green

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                            |                                                                                                                                                                                                                                         |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                                                                                                                                                              |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.                                                                                                                                           |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                                                                                                                                                              |
| Product/Packaging disposal recommendations | : Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.                                                                                                                 |
| Additional information                     | : Do not re-use empty containers.                                                                                                                                                                                                       |
| Ecological waste information               | : The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself. |

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

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| ADR                                     | IMDG           | IATA           | RID            |
|-----------------------------------------|----------------|----------------|----------------|
| <b>14.1. UN number or ID number</b>     |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| No supplementary information available  |                |                |                |

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Rail transport

Not applicable

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Other information, restriction and prohibition regulations : Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and all its amendments and modifications.

#### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

#### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

#### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)



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### Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

### Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

#### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).  
Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1).  
Major Accidents Ordinance (12. BImSchV) : Is not listed in the Major Accidents Ordinance (12. BImSchV)

#### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed  
SZW-lijst van mutagene stoffen : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed  
SZW-lijst van reprotoxische stoffen – : None of the components are listed  
Vruchtbaarheid  
SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

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#### Indication of changes:

Edition n. 1.0, dated 10/10/2024.

Edition n. 2.0, dated 2/19/2026: Toxicological data update.

| Abbreviations and acronyms: |                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------|
| ACGIH                       | American Conference of Governmental Industrial Hygienists                                       |
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate                                                                         |
| BCF                         | Bioconcentration factor                                                                         |
| BLV                         | Biological limit value                                                                          |
| BOD                         | Biochemical oxygen demand (BOD)                                                                 |
| CAS-No.                     | Chemical Abstracts Service number                                                               |
| CLP                         | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |
| COD                         | Chemical oxygen demand (COD)                                                                    |
| CSA                         | Chemical safety assessment                                                                      |

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### Abbreviations and acronyms:

|         |                                                                              |
|---------|------------------------------------------------------------------------------|
| DMEL    | Derived Minimal Effect level                                                 |
| DNEL    | Derived-No Effect Level                                                      |
| EC-No.  | European Community number                                                    |
| EC50    | Median effective concentration                                               |
| ED      | Endocrine disruptor                                                          |
| EN      | European Standard                                                            |
| EWC     | European waste catalogue                                                     |
| IARC    | International Agency for Research on Cancer                                  |
| IATA    | International Air Transport Association                                      |
| IMDG    | International Maritime Dangerous Goods                                       |
| LC50    | Median lethal concentration                                                  |
| LD50    | Median lethal dose                                                           |
| LOAEL   | Lowest Observed Adverse Effect Level                                         |
| Log Kow | Partition coefficient n-octanol/water (Log Kow)                              |
| Log Pow | Partition coefficient n-octanol/water (Log Pow)                              |
| MAK     | maximum workplace concentration                                              |
| NOAEC   | No-Observed Adverse Effect Concentration                                     |
| NOAEL   | No-Observed Adverse Effect Level                                             |
| NOEC    | No-Observed Effect Concentration                                             |
| N.O.S.  | Not Otherwise Specified                                                      |
| OECD    | Organisation for Economic Co-operation and Development                       |
| OEL     | Occupational Exposure Limit                                                  |
| OSHA    | Occupational Safety Health Administration                                    |
| PBT     | Persistent Bioaccumulative Toxic                                             |
| PNEC    | Predicted No-Effect Concentration                                            |
| PPE     | Personal protection equipment                                                |
| RID     | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS     | Safety Data Sheet                                                            |
| STP     | Sewage treatment plant                                                       |
| TF      | Technical function                                                           |
| ThOD    | Theoretical oxygen demand (ThOD)                                             |
| TLM     | Median Tolerance Limit                                                       |
| TWA     | Time Weighted Average                                                        |
| VOC     | Volatile Organic Compounds                                                   |
| vPvB    | Very Persistent and Very Bioaccumulative                                     |
| UFI     | Unique Formula Identifier                                                    |

Data sources : SDS Supplier. ECHA database.

Training advice : Follow National requirements to ensure protection of human health and the environment.



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This document is intended to provide guidance for the proper and safe handling of this product by qualified personnel or those working under the supervision of personnel experienced in handling chemicals. The product should not be used for purposes other than those listed in Section 1 unless adequate written information on how to handle the material has been received.

The person responsible for this document cannot provide warnings about all hazards arising from use or interaction with other chemicals or materials. The user is responsible for the safe use of the product, its suitability for its intended use, and its proper disposal. The information provided below is not intended to be a representation or warranty, either express or implied, of merchantability, fitness for a particular purpose, quality, or any other nature. The information contained in this SDS complies with the provisions of Regulation (EU) 2020/878.