



Dated 24/07/2018
First compilation
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1.1 Product identifier

BLUE ACID BLUE 9

1.3 Details of the supplier of the safety data sheet

Supplier Name Fizzywhiz
Supplier address Unit 23 Maritime Enterprise Park Atlas Road Bootle L20 4DY
Supplier tel +44 (0)151 922 0041
Email info@fizzywhiz.com

1.4 Emergency telephone number

+44 0151 922 0041 Monday - Friday, 09:00 - 17:00

SECTION 16. Other information

15. Phys Accident Composition/information on ingredients Regulatory information

Toxicological information and chemical properties ... / >>... / >>... / >>... / >>... / >> ... / >>
NoneUpp-CSKIN CORROE**133** Database of SDS models for chellect the leaked product and plar explosive limit**BRILLIANT BLUE FCFION / IRRITATION**ce it in containers for recoveryicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - ItalyNot

available**Information Sheet**or disposal. If there are no contraindications, use jets of water to eliminate

Vapour pressureproduct residues.Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10.CAS 3844-45-9 100 Not available

SECTION 13. Disposal considerations

c223Healthcare controlsVapour densityNote for users:DEContaminates not meet d matehe
rial should be disposed of in compliance with the provisions set forth in point 13. -339-8classification criteria for this hazard classNot available

13.1SECTION 1. Identification of the substance/mixture and of the company/undertaking

densityThe information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify

theInformation nNDEX. **Waste treatment methods**t avail bl Not available suitability and thoroughness of providedSERIOUS EYE DAMAGE / IRRITATIONReg. no.olubilit 01-2120740569-45-XXXinformation according to each specific use of the product.X soluble in water

1.16.4This document must not be regarded as a guarantee on any specific product property.PartitioGerman regulation oReuse, when possible. Neat

product residues should be considered special non-hazardous waste. Product identifier. Referenccoefficient: **to other sections-** the classification of substances hoctanol/water Not availablezardous to water (AwSV, vom 18. April 2017)

Auto-ignition temperatureThe use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current healthDisposal must be performed through an authorised waste management firm, in compliance with national and

local regulations.SelfDoes not meet the classification criteria (full wording of a sessment based on Annex 3h zard (H) phrases is given this hazard classin sectionNot available16 of th sheet. Anyand safety laws and regulations. The producer is relieved from any liability arising from improper uses.Decomposition temperatureProduct nameSolid residues may be suitable for disposal in an authorised landfill site.information o personal protection and disposa is given Not available**F.D. & C. BLUE N° 1**n sections 8 and 13.

15.Provide appointed staff with adequate trainiViscosityRESPIRATORY ORChemical name and synonymCONTAMINATED PACKAGING **2. Chemical safety assessment**SKIN SENSITISATIONng on how to use chemical products.N**Food Blue 2**t available

SECTION 7. Handling and storage

3.2Explosive propertiesOxidising propertiesDNo chemical safety assessment has been processed for the mixture and the substances it contains.EC numberCAS numberContaminated packaging must be recovered or disposed of in compliance with national waste management regulations.. **Mixtures** not meet the classifications criteria for this hazard classNot availableNot available**223-339-83844-45-9**

7.1Changes to previous review:Registration Number. **Precautions for safe handling** 01-2120740569-45-XXXX

9.2SECTION 14. Transport

The following sections were mGERM CELL MUTAGENICITYInformat. **Other information**on not relevant odified:t information

1.2SECTION 16. Other information01VOC (Directive 2010/75/EC) .environment. Do not eat, drink or smoke during use. Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into theThe product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by RailDoes not meet the classification criteria for

this hazard class(. **Relevant identified uses of the substance or mixture and uses advised against**RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations. / 03 / 11.00**Dye for foods, cosmetics and**

pharmaceuticals, subject to the regulations being in

SECTION 4. First aid measures

VOC (volatile carbon) :LEGEND:Intended use

4.7.214.11 CARCINOGENICITY

Conditions for ADR: European Agreement concerning the carriage of Dangerous goods by Road. **UN number**Description f first aid measures saf storage, including any incompatibilities **force in each country of use.**

1.3 SECTION 10. Stability and reactivity

Does not meet the classification criteria for this hazard class

Not specifically necessary.

ObseKeep the product in clearly labelled containers. KNot applicable. **Details of the supplier of the safety data sheet** CAS NUMBER:

Chemical Abstract Service Number CE50: Effective concentration (required to induce a 50% effectvance of good industrial hygiene is recommended.ep containers away from any incompatible materials, see section 10 for details.)

10.1- CE NUMBER: Identifier in ESIS (European archive of existing substances. **Reactivity**)

7.3414.22REPRODUCTIVE TOXICITY-NameFull address. **Specific end use(s** CLP: EC Regulation . **UN proper shipping name**Most important symptoms and effects, both acute and delayed) 1272/2008Via Italia, 28Fiorio Colori SRL

-There are no particular risks of reaction with other substances in normal conditions of use. DNEL: Derived No Effect Level
-Does not meet the classification criteria for this hazard classNo episodes Information not availablNot applicableDistrict and Country EmS: Emergency Schedulef damage to health ascribable to the product have been reported. **20060 GessateItaly (MI)**

10.2- GHS: Globally Harmonized System of classification and labeling of chemicals. **Chemical stability**

4.314.3SECTION 8. Exposure controls/personal protectionSTOT - SINGLE EXPOSURE--The product is stable in normal conditions of use and storage.. **Indication** IATA DGR: International Air Transport Association Dangerous Goods Regulation IC50:

Immobilization Concentration 50% . **Transport hazard class(esof any immed ate medical attention and special treatment needed)**
Tel.Fax +39 02-95382688+39 02-9592901

-Does not meet the classification criteria for this hazard classInformation not availableNot applicablee-mail address of the competent personresponsible for the Safety Data Sheet IMDG: International Maritime Code for dangerous goods**sds@fioriocolori.com**

14.4. Emergency telephone number

1.410.38.15.1SECTION 5. Firefighting measuresFor urgent inquiries refer to-**STOT - REPEATED EXPOSURE**--The powders are potentially explosive when mixed with air.During the risk assessment process, it is essential to take into consideration the ACGIH occupational exposure levels for inert particulate notDoes not meet the classification criteria for this hazard class. **Control parameters** IMO: International Maritime Organization **INDEX NUMBER:** Identifier in Annex VI of CLP LC50: Lethal Concentration 50% LD50: Lethal dose 50%. **Possibility**

Packing groupf hazardous reactions

-otherwise classified (PNOC respirable fraction: 3 mg/m3; PNOC inhalable fraction: 10 mg/m3). For values above these limits, use a P typeNot applicable. **Extinguishing media** **NUE 112**

10.4**ASPIRATION HAZARD**--SUITABLE EXTINGUISHING EQUIPMENTfilter, whose class (1, 2 or 3) must be chosen according to the outcome of risk assessment. OEL: Occupational Exposure Level PBT: Persistent bioaccumulative and toxic as REACH Regulation . **Conditions to avoid.**
Environmental hazards

14.5

8.2SECTION 2. Hazards identificationAvoid environmental dust build-up.- The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.Does not meet the classification criteria for this hazard classUN**SUITABLE EXTINGUISHING EQUIPMENT**Not applicable. **Exposure controls** PEC: Predicted environmental Concentration PEL: Predicted exposure level

2.110.5-None in particular.. **Classification of the substance or mixture** PNEC: Predicted no effect concentration. **Incompatibl materials**

14.6SECTION 12. Ecological informationComply with the safety meas REACH: EC Regulation 1907/2006 . **Special precautions for userres** usually applied when handling chemical substances.

5.2-HAND PROTECTIONInformation not availableThe product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent, **Special hazards arising from the substance or mixture** RID: Regulation concerning the international transport of dangerous goods by train

-Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways

orNot applicableamendments and supplements). TLV: Threshold Limit Valuene required.

10.6contaminate soil or vegetation.-**SKIN PROTECTIONHAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE TLV CEILING:** Concentration that should not be exceeded during any time of occupational exposure.. **Hazardous decomposition products**

14.7 None required.D^{Hazard classification and indication: TWA STEL: Short-term exposure limit} . **Transport in bulk according to Annex II of Marpol**

and the IBC Code not breathe combustion products. The product is c⁻ mbustibl and, when the powder is released into the air in sufficient concentrations

12.1-EYE PROTECTIONInformation not availableand in the presence of a source of ignition, it can create explosive mixtures with air. Fires may start or get worse by leakage of the solid TWA: Time-weighted average exposure limit. **Toxicity** product from the container, when it reaches high temperatures or through contact with sources of ignition.Information not relevantNone required. VOC: Volatile organic Compounds

2.25.3SECTION 11. Toxicological information-RESPIRATORY PROTECTION-Use a type P filtering facemask, whose class (1, 2 or 3) and effective need, must be defined according to the outcome of risk assessmentInformation not available. **Label elements. Advice for firefighters** vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation WGK: Water hazard classes (German).

SECTION 15. Regulatory informationA.D.I = 10 mg/kg b.w.(Hazard pictograms:see standard EN 149). --

12.2ENVIRONMENTAL EXPOSURE CONTROLSGENERAL INFORMATION. Persistence and degradability

11.1compliance with environmental standards.The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensurehealth. Always w^{GENERAL BIBLIOGRAPHY}Signal words:UsToxic Substance Control Act (TSCA).Information . Regulation (EC) 1907/2006 (REACH) of the European Parliament. **Information on toxicological effects**jets of water to cool the containers to prevent product decomposition and ot availableear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of^{he development of substa ces potentially hazard us for}

1

15.1contaminated water used for 23Hazard statements:Metabolism, toxicokinetics, mechanism of action and other information, Regulation (EC) 1272/2008 (CLP) of the European Parliament. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament. **Safety, health and environmental regulations/legislation specific for the substance or mixture**extinction and the remains of-- the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

12.3SECTION 9. Physical and chemical properties Normal fire45Precautionary statements:Information not availableSeveso

Category - Directive 2012/18/EC:. Regulation (EU) 2015/830 of the European Parliament. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament. **Bioaccumulative potential**fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with-- None self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

9.167Information Information on likely routes of exposureRestrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006This product is not subject to hazard labeling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.. **Information on basic physical and chemical properties**. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliamentot available

2.312.4SECTION 6. Accidental release measures8NoneInformation not available. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliamentpowder or granular

Appearance9. **Other hazards**. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament. **Mobili y in soil**

6.11011Substances in Candidate List (Art. 59 REACH)Delayed and immediate effects as well as chronic effects from short and long-term exposureOn the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.Information not availableColour. **Personal prec**dour. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliamenttions, protective equipment and emergency proceduresblueodourless

SECTION 3. Composition/information on¹²Substances subject to authorisation (Annex XIV REACH)Wear suitable protective equipment (including personal p¹³if there a^{Information not available}Odour threshold_{pH}. Regulation (EU) 2016/1179 (IX Atp. CLP). Regulation (EU) 2017/776 (X Atp. CLP no contraindications, spray powder with water to prevent the formation of dust.)^{Not available}5 - 9protective equipment referred to under Section 8 of the safety data sheet) to prevent **ingredients**

12.53.1-NoneInteractive effectsany contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergencyprocedures.Melting point / freezing pointInitial boiling point. **Substances** The Merck Index. - 10th Edition. **Results of PBT and vPvB assessment** Not applicableNot available

-Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.Boiling range

6.2-Information not availableNoneContains:Flash point. **Envir** Handling Chemical Safety INRS - Fiche Toxicologique (toxicological sheet**mental precautions**)NNot applicabet available

12.6ACUTE TOXICITY-Substances subject to the Rotterdam Convention:The productIdentificationEvaporation RateFlammability of solids and Patty - Industrial Hygiene and Toxicology N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition. O her adverse effectsmu t not penetraConc. %gasese into the sewer system **Classification 1272/2008 (CLP)**Not availableNot availablel come into contact with surface water or ground water.

-NoneInformation not availableLow

6.3-Does not meet the classification criteria for this hazard classUpper inflammability limit. **Methods and material for containment and cleaning up**
IFA GESTIS website ECHA websiter inflammability limitNot availableNot available

Substances subject to the Stockholm Convention:Lower explosive limi Not available

EPY 9.4.7 - SDS 1004.11

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

E133 BRILLIANT BLUE FCF

CAS 3844-45-9 100

EC 223-339-8

INDEX

Reg. no. 01-2120740569-45-XXXX

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

3.2. Mixtures

Information not relevant

SECTION 4. First aid measures

4.1. Description of first aid measures

Not specifically necessary. Observance of good industrial hygiene is recommended.

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

No episodes of damage to health ascribable to the product have been reported.

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

 Information not available

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. The product is combustible and, when the powder is released into the air in sufficient concentrations and in the presence of a source of ignition, it can create explosive mixtures with air. Fires may start or get worse by leakage of the solid product from the container, when it reaches high temperatures or through contact with sources of ignition. **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

If there are no contraindications, spray powder with water to prevent the formation of dust.
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

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SECTION 6. Accidental release measures ... / >>

Collect the leaked product and place it in containers for recovery or disposal. If there are no contraindications, use jets of water to eliminate product residues. Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. 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.

7.2. Conditions for safe storage, including any incompatibilities

Keep the product in clearly labelled containers. 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

During the risk assessment process, it is essential to take into consideration the ACGIH occupational exposure levels for inert particulate not otherwise classified (PNOC respirable fraction: 3 mg/m³; PNOC inhalable fraction: 10 mg/m³). For values above these limits, use a P type filter, whose class (1, 2 or 3) must be chosen according to the outcome of risk assessment.

8.2. Exposure controls

Comply with the safety measures usually applied when handling chemical substances.

HAND PROTECTION

None required.

SKIN

PROTECTION

None required.

EYE PROTECTION

None required.

RESPIRATORY PROTECTION

Use a type P filtering facemask, whose class (1, 2 or 3) and effective need, must be defined according to the outcome of risk assessment (see standard EN 149).

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	powder or granular
Colour	blue
Odour	odourless
Odour threshold	Not available
pH	5 - 9
Melting point / freezing point	Not available
Initial boiling point	Not applicable
Boiling range	Not available
Flash point	Not applicable
Evaporation Rate	Not available
Flammability of solids and gases	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available

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

Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	soluble in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information

VOC (Directive 2010/75/EC) :	0
VOC (volatile carbon) :	0

SECTION 10. Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

The powders are potentially explosive when mixed with air.

10.4. Conditions to avoid

Avoid environmental dust build-up.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

A.D.I = 10 mg/kg b.w.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

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

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

Does not meet the classification criteria for this hazard class

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SECTION 11. Toxicological information ... / >>

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

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

12.1. Toxicity

Information not available

12.2. Persistence and degradability

Information not available

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Information not available

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SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Solid residues may be suitable for disposal in an authorised landfill site.

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

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

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

Information not relevant

SECTION 15. Regulatory information

Toxic Substance Control Act (TSCA).

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

Seveso Category - Directive 2012/18/EC: _____ None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006 None

Substances in Candidate List (Art. 59 REACH)

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

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

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SECTION 15. Regulatory information ... / >>

None

Healthcare controls

Information not available

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)

Self assessment based on Annex 3 **15.2. Chemical safety assessment**

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

LEGEND:

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

GENERAL BIBLIOGRAPHY

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

- 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

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SECTION 16. Other information ... / >>

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:

The following sections were modified:

01 / 03 / 11.