

according to Regulation (EC) No. 1907/2006 (REACH)

PRIMAFIX

Version number: SDS 1.0

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

1.1 Product identifier

Trade name Registration number (REACH)

1.2 Relevant identified uses of the subst

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

Relevant identified uses

Buildplate Adhesive

info@3dprima.com

not relevant (mixture)

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1.3 Details of the supplier of the safety data sheet

Prima Printer Nordic AB Kantyxegatan 25 F 213 76 Malmö Sweden

e-mail: info@3dprima.com Website: www.3dprima.com

e-mail (competent person)

1.4 Emergency telephone number

Emergency information service

+46 40 684 97 90 This number is only available during the following office hours: Mon-Fri 09:00 AM - 05:00 PM

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/ EC.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

- Signal word not required
- Pictograms not required
- Supplemental hazard information
 - EUH208Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-iso-
thiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-
239-6] (3:1). May produce an allergic reaction.EUH210Safety data sheet available on request.

2.3 Other hazards

of no significance



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SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
1,2-benzisothiazol-3(2H)-one	CAS No 2634-33-5	<1	Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Aquatic Acute 1 / H400
reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H- isothiazol-3-one [EC no. 220-239- 6] (3:1)	CAS No 55965-84-9	<1	Acute Tox. 3 / H301 Acute Tox. 2 / H310 Acute Tox. 2 / H330 Skin Corr. 1C / H314 Eye Dam. 1 / H318 Skin Sens. 1A / H317 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410

Name of substance	Specific Conc. Limits	M-Factors	ATE	Exposure route
1,2-benzisothiazol-3(2H)- one	Skin Sens. 1; H317: C ≥ 0.05 %	-	670 ^{mg} / _{kg}	oral
reaction mass of: 5-chloro- 2-methyl-4-isothiazolin-3- one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)	Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	M-factor (acute) = 100.0 M-factor (chronic) = 100.0	100 ^{mg} / _{kg} 50 ^{mg} / _{kg} 0.5 ^{mg} / _l /4h 0.05 ^{mg} / _l /4h	oral dermal inhalation: vapour inhalation: dust/mist

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Brush off loose particles from skin. Rinse skin with water/shower.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.



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4.2 Most important symptoms and effects, both acute and delayed Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water, Foam, ABC-powder

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products Nitrogen oxides (NOx)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains, Take up mechanically

Advice on how to clean up a spill

Take up mechanically.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.



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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Take precautionary measures against static discharge. Use only in well-ventilated areas. Ground/bond container and receiving equipment.

- Specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Removal of dust deposits.

- Ventilation requirements

Use local and general ventilation.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

	Occupational exposure limit values (Workplace Exposure Limits)									
Coun- try	Name of agent	CAS No	Identi- fier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [mg/m³]	Nota- tion	Source
GB	dust		WEL		10				i	EH40/ 2005
GB	dust		WEL		4				r	EH40/ 2005

Notation

Ceiling-C ceiling value is a limit value above which exposure should not occur

inhalable fraction

respirable fraction

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)



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	Relevant DNELs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time	
1,2-benzisothiazol- 3(2H)-one	2634-33-5	DNEL	6.81 mg/m ³	human, inhalat- ory	worker (industry)	chronic - systemic effects	
1,2-benzisothiazol- 3(2H)-one	2634-33-5	DNEL	0.966 mg/ kg bw/day	human, dermal	worker (industry)	chronic - systemic effects	
reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500- 7]and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	DNEL	0.02 mg/m ³	human, inhalat- ory	worker (industry)	chronic - local ef- fects	
reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500- 7]and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	DNEL	0.04 mg/m ³	human, inhalat- ory	worker (industry)	acute - local effects	

Relevant PNECs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental com- partment	Exposure time
1,2-benzisothiazol- 3(2H)-one	2634-33-5	PNEC	4.03 ^{µg} / _l	aquatic organ- isms	freshwater	short-term (single instance)
1,2-benzisothiazol- 3(2H)-one	2634-33-5	PNEC	0.403 ^{µg} / _l	aquatic organ- isms	marine water	short-term (single instance)
1,2-benzisothiazol- 3(2H)-one	2634-33-5	PNEC	1.03 ^{mg} / _l	aquatic organ- isms	sewage treatment plant (STP)	short-term (single instance)
1,2-benzisothiazol- 3(2H)-one	2634-33-5	PNEC	49.9 ^{µg} / _{kg}	aquatic organ- isms	freshwater sedi- ment	short-term (single instance)
1,2-benzisothiazol- 3(2H)-one	2634-33-5	PNEC	4.99 ^{µg} / _{kg}	aquatic organ- isms	marine sediment	short-term (single instance)
1,2-benzisothiazol- 3(2H)-one	2634-33-5	PNEC	3 ^{mg} / _{kg}	terrestrial organ- isms	soil	short-term (single instance)
reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500- 7]and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	PNEC	3.39 ^{µg} / _l	aquatic organ- isms	freshwater	short-term (single instance)
reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500- 7]and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	PNEC	3.39 ^{µg} / _I	aquatic organ- isms	marine water	short-term (single instance)



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	Relevant PNECs of components of the mixture							
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental com- partment	Exposure time		
reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500- 7]and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	PNEC	0.23 ^{mg} / _l	aquatic organ- isms	sewage treatment plant (STP)	short-term (single instance)		
reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500- 7]and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	PNEC	0.027 ^{mg} / _{kg}	aquatic organ- isms	freshwater sedi- ment	short-term (single instance)		
reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500- 7]and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	PNEC	0.027 ^{mg} / _{kg}	aquatic organ- isms	marine sediment	short-term (single instance)		
reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500- 7]and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	PNEC	0.01 ^{mg} / _{kg}	terrestrial organ- isms	soil	short-term (single instance)		

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection
- Wear protective gloves.
- Type of material

Nitrile

- Material thickness

≥0,35mm

- Breakthrough times of the glove material
- >120 minutes (permeation: level 4)
- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

Particulate filter device (EN 143).



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Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties Physical state solid Colour whitish Odour faintly perceptible not determined Melting point/freezing point not determined Boiling point or initial boiling point and boiling range Flammability non-combustible Lower and upper explosion limit not determined Flash point not applicable Auto-ignition temperature not determined Decomposition temperature not relevant 7.75 (in aqueous solution: 100 ^{mg}/_{cm³}) pH (value) not relevant Kinematic viscosity not determined Solubility(ies) Partition coefficient this information is not available Partition coefficient n-octanol/water (log value) Vapour pressure not determined Density and/or relative density 1.03 ^g/_{cm³} at 20 °C Density Relative vapour density information on this property is not available Particle characteristics no data available 9.2 Other information Information with regard to physical hazard classes hazard classes acc. to GHS (physical hazards): not relevant Other safety characteristics there is no additional information



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SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

Hints to prevent fire or explosion

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

10.5 Incompatible materials

There is no additional information.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

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

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/ EC.

Acute toxicity

Shall not be classified as acutely toxic.

Name of substance	CAS No	Exposure route	ΑΤΕ
1,2-benzisothiazol-3(2H)-one	2634-33-5	oral	670 ^{mg} / _{kg}
reaction mass of: 5-chloro-2-methyl-4-iso- hiazolin-3-one [EC no. 247-500-7]and 2-methyl- 2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	oral	100 ^{mg} / _{kg}
reaction mass of: 5-chloro-2-methyl-4-iso- hiazolin-3-one [EC no. 247-500-7]and 2-methyl- 2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	dermal	50 ^{mg} / _{kg}
reaction mass of: 5-chloro-2-methyl-4-iso- hiazolin-3-one [EC no. 247-500-7]and 2-methyl- 2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	inhalation: vapour	0.5 ^{mg} / _l /4h



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Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
reaction mass of: 5-chloro-2-methyl-4-iso- thiazolin-3-one [EC no. 247-500-7]and 2-methyl- 2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	inhalation: dust/mist	0.05 ^{mg} /ı/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment Data are not available.

Data are not available.

12.6 Endocrine disrupting properties

Information on this property is not available.



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12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

- 14.1 UN number or ID number
- 14.2 UN proper shipping name
- 14.3 Transport hazard class(es)
- 14.4 Packing group
- 14.5 Environmental hazards

not subject to transport regulations

not relevant

none

not assigned

non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

There is no additional information.

14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - Additional information

Not subject to ADR, RID and ADN.

International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.



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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

Dangerous substances with restrictions (REACH, Annex XVII)					
Name of substance	Name acc. to inventory	CAS No	No		
1,2-benzisothiazol-3(2H)-one	substances in tattoo inks and permanent make- up		75		
reaction mass of: 5-chloro-2-methyl-4-iso- thiazolin-3-one [EC no. 247-500-7]and 2-methyl- 2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	this product meets the criteria for classification in accordance with Regulation No 1272/2008/ EC		3		
reaction mass of: 5-chloro-2-methyl-4-iso- thiazolin-3-one [EC no. 247-500-7]and 2-methyl- 2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	substances in tattoo inks and permanent make- up		75		

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

none of the ingredients are listed

Seveso Directive

2012/18/EU (Seveso III)						
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements				
	not assigned					

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

Water Framework Directive (WFD)

List of pollutants (WFD)				
Name of substance	CAS No	Listed in	Remarks	
reaction mass of: 5-chloro-2-methyl-4-isothiazolin- 3-one [EC no. 247-500-7]and 2-methyl-2H-iso- thiazol-3-one [EC no. 220-239-6] (3:1)		A)		

Legend A)

Indicative list of the main pollutants

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.



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National i	National inventories				
Country	Inventory	Status			
AU	AICS	not all ingredients are listed			
CA	DSL	all ingredients are listed			
CN	IECSC	all ingredients are listed			
EU	ECSI	not all ingredients are listed			
EU	REACH Reg.	all ingredients are listed			
JP	CSCL-ENCS	not all ingredients are listed			
KR	KECI	all ingredients are listed			
MX	INSQ	not all ingredients are listed			
NZ	NZIoC	all ingredients are listed			
PH	PICCS	all ingredients are listed			
TR	CICR	not all ingredients are listed			
TW	TCSI	all ingredients are listed			
US	TSCA	not all ingredients are listed			

Legend

Legena	
AICS	Australian Inventory of Chemical Substances
CICR	Chemical Inventory and Control Regulation
CSCL-ENCS	List of Existing and New Chemical Substances (CSCL-ENCS)
DSL	Domestic Substances List (DSL)
ECSI	EC Substance Inventory (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
INSQ	National Inventory of Chemical Substances
KECI	Korea Existing Chemicals Inventory
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
Acute Tox.	Acute toxicity
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Wa- terways)
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Acute	Hazardous to the aquatic environment - acute hazard
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)



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Abbr.	Descriptions of used abbreviations
Ceiling-C	Ceiling value
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EH40/2005	EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nation
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
M-factor	Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to th aquatic environment acute category 1 or chronic category 1, and is used to derive by the summation met od the classification of a mixture in which the substance is present
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulation concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitisation
STEL	Short-term exposure limit
SVHC	Substance of Very High Concern
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).



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Classification procedure

Physical and chemical properties: The classification is based on tested mixture. Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.