

Safety Data Sheet

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



Trade name : SYNTECH PAVISTRONG COMP. B
Revision date : 04.06.2017
Print date : 04.06.2017

Version (Revision) : 2.0.0 (1.0.0)

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

1.1 Product identifier

SYNTECH PAVISTRONG COMP. B

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

Preparation for building and construction: Two-component epoxy coating resistant. Component B

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

AZICHEM Srl

Street : Via G. Gentile 16/A

Postal code/city : 46044 Goito (MN)

Telephone : +39 0376 604185 / 604365

Telefax : +39 0376 604398

Information contact : info@azichem.com

1.4 Emergency telephone number

Centro Antiveleni di Milano +39 02 66101029 (CAV Ospedale Niguarda Ca' Granda -Milano) (24h)
Centro Antiveleni di Pavia +39 0382 24444 (CAV IRCCS Fondazione Maugeri - Pavia)
Centro Antiveleni di Bergamo +39 800 883300 (CAV Ospedali Riuniti - Bergamo)
Centro Antiveleni di Firenze +39 055 7947819 (CAV Ospedale Careggi - Firenze)
Centro Antiveleni di Roma +39 06 3054343 (CAV Policlinico Gemelli - Roma)
Centro Antiveleni di Roma +39 06 49978000 (CAV Policlinico Umberto I - Roma)
Centro Antiveleni di Napoli +39 081 7472870 (CAV Ospedale Cardarelli - Napoli)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Acute Tox. 2 ; H330 - Acute toxicity (inhalative) : Category 2 ; Fatal if inhaled.

Acute Tox. 4 ; H302 - Acute toxicity (oral) : Category 4 ; Harmful if swallowed.

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

Skin Corr. 1B ; H314 - Skin corrosion/irritation : Category 1B ; Causes severe skin burns and eye damage.

Repr. 2 ; H361f - Reproductive toxicity : Category 2 ; Suspected of damaging fertility.

Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

STOT SE 3 ; H335 - STOT-single exposure : Category 3 ; May cause respiratory irritation.

2.2 Label elements

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

Hazard pictograms



Skull and crossbones (GHS06) · Health hazard (GHS08) · Corrosion (GHS05)

Signal word

Danger

Hazard components for labelling

2,2'-IMINODIETHYLAMINE ; CAS No. : 111-40-0

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4,4'-ISOPROPYLIDENEDIPHENOL ; CAS No. : 80-05-7
3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE ; CAS No. : 2855-13-2
M-PHENYLENEBIS(METHYLAMINE) ; CAS No. : 1477-55-0

Hazard statements

H330 Fatal if inhaled.
H361f Suspected of damaging fertility.
H314 Causes severe skin burns and eye damage.
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P310 Immediately call a POISON CENTER/doctor
P320 Specific treatment is urgent (see ... on this label).
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

BENZYL ALCOHOL ; REACH registration No. : 01-2119492630-38 ; EC No. : 202-859-9; CAS No. : 100-51-6

Weight fraction : $\geq 9 - < 25$ %
Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Acute Tox. 4 ; H332 Eye Irrit. 2 ; H319

3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE ; EC No. : 220-666-8; CAS No. : 2855-13-2

Weight fraction : $\geq 10 - < 25$ %
Classification 1272/2008 [CLP] : Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Acute Tox. 4 ; H312 Skin Sens. 1 ; H317 Aquatic Chronic 3 ; H412

2,2'-IMINODIETHYLAMINE ; EC No. : 203-865-4; CAS No. : 111-40-0

Weight fraction : $\geq 25 - < 30$ %
Classification 1272/2008 [CLP] : Acute Tox. 2 ; H330 Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Acute Tox. 4 ; H312 Skin Sens. 1 ; H317 STOT SE 3 ; H335

M-PHENYLENEBIS(METHYLAMINE) ; EC No. : 216-032-5; CAS No. : 1477-55-0

Weight fraction : $\geq 1 - < 5$ %
Classification 1272/2008 [CLP] : Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Acute Tox. 4 ; H312 Acute Tox. 4 ; H332

4,4'-ISOPROPYLIDENEDIPHENOL ; EC No. : 201-245-8; CAS No. : 80-05-7

Weight fraction : $\geq 20 - < 25$ %
Classification 1272/2008 [CLP] : Repr. 2 ; H361f Eye Dam. 1 ; H318 Skin Sens. 1 ; H317 STOT SE 3 ; H335

Additional information

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

When in doubt or if symptoms are observed, get medical advice.

Following inhalation

Remove victim out of the danger area. Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

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In case of skin contact

Wash immediately with: Water Remove contaminated, saturated clothing immediately. In case of skin irritation, consult a physician. In case of skin reactions, consult a physician.

After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Never give anything by mouth to an unconscious person or a person with cramps.

4.2 Most important symptoms and effects, both acute and delayed

Acute Effects : The product is harmful by inhalation or ingestion , may cause irritation of the mucous membranes and upper respiratory tract as well as the eyes and skin.

Symptoms of exposure may include: stinging and irritated eyes , mouth , nose and throat , coughing , difficulty breathing , dizziness , headache, nausea and vomiting. In more serious cases , inhalation of this product may cause inflammation and edema of the larynx and bronchi , chemical pneumonitis and edema lung . Even small amounts ingested can cause serious health problems (stomach pain, nausea , vomiting , diarrhea).

The product is corrosive and causes severe burns and blistering on the skin , which can occur even after exposure. the Burns are very stinging and pain. Contact with eyes causes severe injury and may cause corneal opacity , iris lesions, irreversible eye coloration. Possible vapors are caustic for the respiratory system and may cause pulmonary edema, whose symptoms become manifest, sometimes after only a few hours. Symptoms of exposure may include burning sensation , coughing, wheezing, laryngitis , shortness of breath , headache, nausea and vomiting.

Ingestion may cause burns to mouth, throat and esophagus , vomiting, diarrhea, edema , larynx swelling and consequent suffocation. , Perforation of the gastrointestinal tract .

Upon contact with the skin causes sensitization (dermatitis) . Dermatitis derives in response to inflammation of the skin , which begins in the skin areas that are in repeated contact with the sensitizing agent . The skin lesions may include erythema, edema, papules, vesicles , pustules, scales , ulcerations and exudative phenomena , which vary depending on the stage of the disease and the areas affected . In the acute phase prevail erythema , edema and exudation . In the chronic stages prevail scales , dryness, ulcerations and skin thickening .

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Extinguishing powder alcohol resistant foam Carbon dioxide (CO2) Water mist

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide.

5.3 Advice for firefighters

Remove persons to safety.

Special protective equipment for firefighters

Do not inhale explosion and combustion gases. Use appropriate respiratory protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Clear spills immediately. Wear a self-contained breathing apparatus and chemical protective clothing.

For non-emergency personnel

Remove persons to safety.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains,

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inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

For cleaning up

The contaminated area should be cleaned up immediately with: Water Retain contaminated washing water and dispose it.

6.4 Reference to other sections

Reference to other sections Safe handling: see section 7 Personal protection equipment: see section 8

SECTION 7: Handling and storage



7.1 Precautions for safe handling

Protective measures

Specific requirements or handling rules

Do not breathe dust. Do not breathe the gas/fumes/vapour/spray. See section 8.

Advices on general occupational hygiene

Normal precautions taken when handling chemicals should be observed.

7.2 Conditions for safe storage, including any incompatibilities

Only use containers specifically approved for the substance/product.

Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place. Protect against UV-radiation/sunlight Humidity.

Hints on joint storage

Storage class : 6.1A

Storage class (TRGS 510) : 6.1A

Keep away from

Store at least 3 metres apart from: Chemicals/products that react together readily

Further information on storage conditions

Keep container tightly closed and in a well-ventilated place.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

4,4'-ISOPROPYLIDENEDIPHENOL ; CAS No. : 80-05-7

Limit value type (country of origin) : TRGS 900 (D)

Parameter : E: inhalable fraction

Limit value : 5 mg/m³

Peak limitation : 1(I)

Remark : Y

Version : 06.11.2015

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Limit value type (country of origin) : TWA (EC)
Parameter : E: inhalable fraction
Limit value : 10 mg/m³
Version : 17.12.2009

DNEL/DMEL and PNEC values

DNEL/DMEL

Limit value type : DNEL Consumer (systemic) (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Exposure route : Dermal
Exposure frequency : Short-term (acute)
Limit value : 28,5 mg/kg

Limit value type : DNEL Consumer (systemic) (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Exposure route : Inhalation
Exposure frequency : Short-term (acute)
Limit value : 40,55 mg/m³

Limit value type : DNEL Consumer (systemic) (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Exposure route : Oral
Exposure frequency : Short-term (acute)
Limit value : 25 mg/kg

Limit value type : DNEL Consumer (systemic) (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Exposure route : Dermal
Exposure frequency : Long-term (repeated)
Limit value : 5,7 mg/kg

Limit value type : DNEL worker (local) (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Exposure route : Dermal
Exposure frequency : Short-term (acute)
Limit value : 47 mg/kg

Limit value type : DNEL worker (systemic) (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Exposure route : Inhalation
Exposure frequency : Short-term (acute)
Limit value : 450 mg/m³

Limit value type : DNEL worker (systemic) (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Exposure route : Dermal
Exposure frequency : Long-term (repeated)
Limit value : 9,5 mg/kg

Limit value type : DNEL worker (systemic) (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Exposure route : Inhalation
Exposure frequency : Long-term (repeated)
Limit value : 90 mg/m³

PNEC

Limit value type : PNEC aquatic, freshwater (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Limit value : 1 mg/l

Limit value type : PNEC aquatic, intermittent release (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Limit value : 2,3 mg/l

Limit value type : PNEC aquatic, marine water (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Limit value : 0,1 mg/l

Limit value type : PNEC sediment, freshwater (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Limit value : 5,27 mg/kg

Limit value type : PNEC sediment, marine water (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Limit value : 0,52 mg/kg

Limit value type : PNEC Soil (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Limit value : 0,45 mg/kg

Limit value type : PNEC sewage treatment plant (STP) (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Limit value : 39 mg/l

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8.2 Exposure controls

Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Personal protection equipment



When using do not eat, drink, smoke, sniff.

Eye/face protection

Suitable eye protection

Safety glasses with side shields (EN 166).

Skin protection

Hand protection

Wear rubber gloves approved under standard EN374.

Respiratory protection

Wear a suitable breathing apparatus if exposure levels exceed and may exceed the exposure limits, such as mask with filter type E (EN 14387) and B, self-containing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Safety relevant basis data

Aspect			liquid
Colour			Straw
Odour			amminic
Melting point/melting range :	(1013 hPa)		No data available
Vapour density	((air = 1))		Data not available
Initial boiling point and boiling range :	(1013 hPa)		No data available
Decomposition temperature :			No data available
Self flammability			No data available
Flash point :		=	105 °C
Flammability (solid, gas)			Data not available
Lower explosion limit :			No data available
Upper explosion limit :			No data available
Explosive properties			Data not available
Vapour pressure	(20 °C)		No data available
Density :	(20 °C)	=	1,04 g/cm ³
Water solubility :	(20 °C)		insoluble
pH :			No data available
Log Pow	(20 °C)		not applicable
Viscosity :	(20 °C)	=	1000 mPa.s
Odour threshold			Data not available
Evaporation rate			Data not available
Maximum VOC content (EC) :			1999/13/EC
Oxidizing properties			Data not available

9.2 Other information

None

SECTION 10: Stability and reactivity

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10.1 Reactivity

No information available.

10.2 Chemical stability

See section 7. No additional measures necessary.

10.3 Possibility of hazardous reactions

Benzyl alcohol: may react dangerously with: hydrogen bromide and iron in the presence of heat, oxidizing agents, sulfuric acid. Risk of explosion on contact with: phosphorus trichloride.

10.4 Conditions to avoid

Keep away from fire, sparks and ignition sources

10.5 Incompatible materials

Sulphuric acid. Oxidizing agents. Alluminium.

10.6 Hazardous decomposition products

Carbon monoxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter :	LD50 (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Exposure route :	Oral
Species :	Rat (male)
Effective dose :	= 1620 mg/kg
Parameter :	LD50 (M-PHENYLENEBIS(METHYLAMINE) ; CAS No. : 1477-55-0)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 200 mg/kg

Acute dermal toxicity

Parameter :	LD50 (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	= 2000 mg/kg
Parameter :	LD50 (2,2'-IMINODIETHYLAMINE ; CAS No. : 111-40-0)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	1090 mg/kg
Parameter :	LD50 (M-PHENYLENEBIS(METHYLAMINE) ; CAS No. : 1477-55-0)
Exposure route :	Dermal
Species :	Rat
Effective dose :	> 3100 mg/kg

Acute inhalation toxicity

Parameter :	LC50 (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	> 4178 mg/l
Exposure time :	4 h
Parameter :	LC50 (M-PHENYLENEBIS(METHYLAMINE) ; CAS No. : 1477-55-0)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	> 2,4 mg/l

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Exposure time : 4 h

Irritant and corrosive effects

Causes severe skin burns and eye damage.

Sensitisation

In case of skin contact

May cause sensitization by skin contact.

Repeated dose toxicity (subacute, subchronic, chronic)

There were no chronic effects or effects at low concentrations.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Possible risk of impaired fertility.

SECTION 12: Ecological information

Do not allow uncontrolled discharge of product into the environment.

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter :	LC50 (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Species :	Pimephales promelas (fathead minnow)
Effective dose :	770 mg/l
Exposure time :	1 h
Parameter :	LC50 (M-PHENYLENEBIS(METHYLAMINE) ; CAS No. : 1477-55-0)
Species :	Oryzias latipes (Ricefish)
Effective dose :	87,6 mg/l
Exposure time :	96 h

Acute (short-term) daphnia toxicity

Parameter :	EC50 (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Species :	Daphnia magna (Big water flea)
Effective dose :	230 mg/l
Exposure time :	48 h
Parameter :	EC50 (M-PHENYLENEBIS(METHYLAMINE) ; CAS No. : 1477-55-0)
Species :	Daphnia magna (Big water flea)
Effective dose :	35,1 mg/l
Exposure time :	24 h

Acute (short-term) algae toxicity

Parameter :	EC50 (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Species :	Pseudokirchneriella subcapitata
Effective dose :	770 mg/l
Exposure time :	72 h
Parameter :	EC50 (M-PHENYLENEBIS(METHYLAMINE) ; CAS No. : 1477-55-0)
Species :	Pseudokirchneriella subcapitata
Effective dose :	20,3 mg/l
Exposure time :	72 h

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

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12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

None

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Dispose according to legislation.

SECTION 14: Transport information

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

Land transport (ADR/RID)

AMINES, LIQUID, CORROSIVE, N.O.S.

Sea transport (IMDG)

AMINES, LIQUID, CORROSIVE, N.O.S.

Air transport (ICAO-TI / IATA-DGR)

AMINES, LIQUID, CORROSIVE, N.O.S.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

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

not applicable

SECTION 15: Regulatory information

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

EU legislation

Regulation (EC) 1907/2006/CE (REACH). Regulation (EC) No 1272/2008 (CLP). Regulation (EU) 2015/830 requirements for the compilation of safety data sheets. Commission Regulation (EC) No 790/2009/CE (amending, for the purposes of its adaptation to technical and scientific progress (ATP), Regulation (EC) No 1272/2008). Commission Regulation (EU) No 286/2011 (amending, for the purposes of its adaptation to technical and scientific progress (ATP), Regulation (EC) No 1272/2008). Commission Regulation (EU) No 618/2012 (amending, for the purposes of its adaptation to technical and scientific progress (ATP), Regulation (EC) No 1272/2008). Commission Regulation (EU) No 487/2013 (amending, for the purposes of its adaptation to technical and scientific progress (ATP), Regulation (EC) No 1272/2008). Commission Regulation (EU) No 758/2013 (amending, for the purposes of its adaptation to technical and scientific progress (ATP), Regulation (EC) No 1272/2008). Commission Regulation (EU) No 944/2013 (amending, for the purposes of its adaptation to technical and scientific progress (ATP), Regulation (EC) No 1272/2008). Commission Regulation (EU) No 605/2014 (amending, for the purposes of its adaptation to technical and scientific progress (ATP), Regulation (EC) No 1272/2008). Commission Regulation (EU) No 1297/2015 (amending, for the purposes of its

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adaptation to technical and scientific progress (ATP), Regulation (EC) No 1272/2008).

Other regulations (EU)

Regulation (CE) 1907/2006: Substance of very high concern included in the SVHC Candidate List

None

National regulations

Italy: Legislative Decree 81/2008 (Consolidated Law on protection of health and safety at work), as amended and Directive 2009/161/UE - chemical risk assessment in accordance with Title IX

Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : 50 - 55 %

Water hazard class (WGK)

Class : 2 (Hazardous to water) Classification according to VwVwS

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 Indication of changes

02. Classification of the substance or mixture · 02. Label elements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling · 03. Hazardous ingredients · 07. Hints on joint storage - Storage class · 14. UN proper shipping name - Land transport (ADR/RID) · 14. UN proper shipping name - Sea transport (IMDG) · 14. UN proper shipping name - Air transport (ICAO-TI / IATA-DGR) · 14. Transport hazard class(es) - Land transport (ADR/RID) · 14. Transport hazard class(es) - Sea transport (IMDG) · 14. Transport hazard class(es) - Air transport (ICAO-TI / IATA-DGR)

16.2 Abbreviations and acronyms

LEGENDA:

ADR:	Accord européen relative au transport international des marchandises dangereuses par route (accordo europeo relativo al trasporto internazionale delle merci pericolose su strada)
ASTM:	ASTM International, originariamente nota come American Society for Testing and Materials (ASTM)
EINECS:	European Inventory of Existing Commercial Chemical Substances (Registro Europeo delle Sostanze chimiche in Commercio)
EC(0/50/100):	Effective Concentration 0/50/100 (Concentrazione Effettiva Massima per 0/50/100% degli Individui)
LC(0/50/100):	Lethal Concentration 0/50/100 (Concentrazione Letale per 0/50/100% degli Individui)
IC50:	Inhibitor Concentration 50 (Concentrazione Inibente per il 50% degli Individui)
NOEL:	No Observed Effect Level (Dose massima senza effetti)
NOEC:	No Observed Effect Concentration (Concentrazione massima senza effetti)
LOEC:	Lowest Observed Effect Concentration (Concentrazione massima alla quale è possibile evidenziare un effetto)
DNEL:	Derived No Effect Level (Dose derivata di non effetto)
DMEL:	Derived Minimum Effect Level (Dose derivata di minimo effetto)
CLP:	Classification, Labelling and Packaging (Classificazione, Etichettatura e Imballaggio)
CSR:	Rapporto sulla Sicurezza Chimica (Chemical Safety Report)
LD(0/50/100):	Lethal Dose 0/50/100 (Dose Letale per 0/50/100% degli Individui)
IATA:	International Air Transport Association (Associazione Internazionale del Trasporto Aereo)
ICAO:	International Civil Aviation Organization (Organizzazione Internazionale dell'Aviazione Civile)
Codice IMDG:	International Maritime Dangerous Goods code (Codice sul Regolamento del Trasporto Marittimo)
PBT:	Persistent, bioaccumulative and toxic (sostanze persistenti bioaccumulabili e tossiche)
RID:	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regolamento concernente il trasporto Internazionale ferroviario delle merci Pericolose)
STEL:	Short term exposure limit (limite di esposizione a breve termine)
TLV:	Threshold limit value (soglia di valore limite)
TWA:	Time Weighted Average (media ponderata nel tempo)
UE:	Unione Europea
vPvB:	Very persistent very bioaccumulative (sostanze molto persistenti e molto bioaccumulabili)

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N.D.: Non disponibile.
N.A.: Non applicabile
VwVwS.: Text of Administrative Regulation on the Classification of Substances hazardous to waters into Water Hazard Classes (Verwaltungsvorschrift wassergefährdende Stoffe – VwVwS)
PNEC: Predicted No Effect Concentration
PNOS: Particulates not Otherwise Specified
BOD: Biochemical Oxygen Demand
COD: Chemical Oxygen Demand
BCF: BioConcentration Factor
TRGS : Technische Regeln für Gefahrstoffe -Technical Rules for Hazardous Substances, defined by The Federal Institute for Occupational Safety and Health, Germany
LCLo: Lethal Concentration Low (La minima concentrazione letale)
ThOD: Theoretical Oxygen Demand

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

calculated.

16.5 Relevant H- and EUH-phrases (Number and full text)

H302 Harmful if swallowed.
H302+H312 Harmful if swallowed or in contact with skin.
H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.
H302+H332 Harmful if swallowed or if inhaled.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H335 May cause respiratory irritation.
H361f Suspected of damaging fertility.
H412 Harmful to aquatic life with long lasting effects.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
