
Safety Data Sheet according to Regulation (EC) n. 453/2010.

Last revision 0000 of 29th May 2019

1. Product and Society identification

1.1 Product identification

Identification of the mixture

Denomination: **Pool Protector**

1.2. Pertinent use identified of substances or mixture and not suggested use

One component finishes coating for protection of the surfaces.

1.3. Details of the safety data sheet supplier

Supplier: Diasen s.r.l.
Z.ind.le Berbentina, 5
60041 Sassoferrato (AN) – Italia
Tel. +39 0732 9718
Fax +39 0732 971899

Contact: reach@diasen.com

1.4. Emergency telephone number

Emergency telephone number of the company and / or official advisory body:

Diasen s.r.l. Tel. 0732/9718

Available outside working hours? No.

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2. Hazards identification

2.1 Classification of the substance or mixture

Regulation criteria CE 1272/2008 (CLP):

The product is not considered hazardous according to Regulation CE 1272/2008 (CLP).

Physical-chemical effects hazardous for the human and environment health: not dangerous

2.2. Label elements

The product is not considered hazardous according to Regulation CE 1272/2008 (CLP).

Labels:

None

Hazard indications:

None

Caution suggestions:

None

Special dispositions:

None

Contains:

1,2-benzisotiazol-3(2H)-one: It may provoke an allergy reaction.

Mixture of: 5-cloro-2-metil-2H-isotiazol-3-one [EC no. 247-500-7]; 2-metil-2H-isotiazol-3-one [EC no. 220-239-6] (3:1):

It may provoke an allergy reaction.

Special disposition based on Annex XVII of REACH and further successivi adjustments:

None

2.3. Other hazards

Substances vPvB: None - Substances PBT: None

Other hazards:

Not other hazards

3. Composition/information on ingredients

3.1. Substances

N.A.

3.2 Mixtures

Hazardous substances:

Hazardous components according to Regulation CLP and related classification:

1% - 3% 2-(2-butossietossi)etanolo; dietilene glicol(mono)butilene

REACH No.: 01-2119475104-44, Index number: 603-096-00-8, CAS: 112-34-5, EC: 203-961-6

❗ 3.3/2 Eye Irrit. 2 H319

1% - 3% 1-fenossipropan-2-olo

REACH No.: 01-2119486566-23, CAS: 770-35-4, EC: 212-222-7

❗ 3.3/2 Eye Irrit. 2 H319

187 ppm 1,2-benzisotiazol-3(2H)-one

Index number: 613-088-00-6, CAS: 2634-33-5, EC: 220-120-9

❗ 3.2/2 Skin Irrit. 2 H315

❗ 3.3/1 Eye Dam. 1 H318

❗ 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317

❗ 4.1/A1 Aquatic Acute 1 H400

❗ 3.1/4/Oral Acute Tox. 4 H302

11 ppm Mixture of: 5-cloro-2-metil-2H-isotiazol-3-one [EC no. 247-500-7]; 2-metil-2H-isotiazol-3-one [EC no. 220-239-6] (3:1)

Index number: 613-167-00-5, CAS: 55965-84-9

❗ 3.2/1B Skin Corr. 1B H314

❗ 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317

❗ 4.1/A1 Aquatic Acute 1 H400

❗ 4.1/C1 Aquatic Chronic 1 H410

❗ 3.1/3/Oral Acute Tox. 3 H301

❗ 3.1/3/Dermal Acute Tox. 3 H311

 3.1/3/Inhal Acute Tox. 3 H331

Impurity:

It does not contain relevant impurities for classification and labelling.

4. First aid measures

4.1. Description of first aid measures

In case of skin contact:

Thoroughly wash contaminated clothing with water and soap

In case of eyes contact:

In case of eyes contact, wash immediately and abundantly with water and seek medical consultation.

In case of ingestion:

Do not induce vomiting. IMMEDIATELY SEEK MEDICAL ADVICE.

In case of inhalation:

Bring the injured in an open area, taking him/her warm and at rest.

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

None

4.3. Indication of any immediate medical attention or special treatment

Treatment:

None

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5. Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media that must not be used for security reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale the fumes produced by explosion and combustion.

The composition produces heavy smoke.

5.3. Advice for fire-fighters

Use adequate breathing systems.

Contain separately contaminated water used for extinguishing the fire.

Do not discharge in sewer.

If possible by security reasons, remove from the hazard area containers not damaged.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Wear personal protective equipment.
- Remove any ignition source.
- Bring people in a safety area.
- Consult protective measures exposed at point 7 and 8.

6.2. Environmental precautions

- Avoid that the product uncontrollably reaches water course or sewage system. Prevent that washing water reaches drainage systems.
- Contain contaminated washing water and then eliminate it.
- In case of gas leak or penetration in water, soil or sewage, must inform required authorities.
- Material adequate to contain: absorbent material, organic, sand.

6.3. Methods and material for containment and recovery

- Wash with abundant water.

6.4. Reference to other sections

- Look at paragraph 8 and 13

7. Handling and storage

7.1. Precautions for safe handling

- Avoid contact with skin, eyes and inhalation of vapours and fogs.
- During the work do not eat and drink.
- For protective dispositions, see section 8.

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7.2 Conditions for safe storage, including any incompatibilities

- Keep away from meals, drinks and animal feeds.
- Not compatible subjects:
 - None in particular. Look at subsequent paragraph 10.
- Dispositions for internal area:
 - Internal area with good ventilation

7.3. Specific end uses

- None in particular.

8. Exposure controls/ personal protection

8.1 Control parameters

- 2-(2-butossietossi)etanolo; dietileneglicol(mono)butiletene - CAS: 112-34-5
 - UE - LTE(8h): 67,5 mg/m³, 10 ppm - STE: 101,2 mg/m³, 15 ppm - Note: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
 - ACGIH - LTE(8h): 10 ppm - Note: (IFV) - Hematologic, liver and kidney eff

Limited values exposition DNEL

N.A.

Limited values exposition PNEC

N.A.

8.2 Exposure control

Eyes protection:

Not required for normal usage. Operate according to normal working practices.

Skin protection:

Special precautions area not required for the normal usage.

Hands protection:

Not required for the normal usage.

Breath protection:

Not necessary for the normal usage.

Thermal risks:

None

Environmental exposition controls:

None

Adequate technical controls:

None

9. Physical And Chemical Properties

9.1 Information on basic physical and chemical properties

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Propriety	Value	Method:	Note:
Aspect and color:	Liquid at medium color viscosity as described	--	--
Odour:	Characteristic	--	--
Odour threshold:	N.A.	--	--
pH:	8,5	--	--
Boiling and freezing point:	N.A.	--	--
Boiling initial point and interval:	N.A.	--	--
Flammable point:	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid and gas flammability:	N.A.	--	--
Superior and inferior limit of flammability or explosion:	N.A.	--	--
Vapor pression:	N.A.	--	--
Vapor density:	N.A.	--	--

Relative density:	N.A.	--	--
Solubility:	N.A.	--	--
Oil solubility:	N.A.	--	--
Ripartition coefficient (n-ottanolo/water):	N.A.	--	--
Ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive propriety:	N.A.	--	--
Comburent propriety:	N.A.	--	--

9.2 Other information

Propriety	Value	Method:	Note:
Mixability	N.A.	--	--
Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Group of substances characteristics	N.A.	--	--

10. Stability and reactivity

10.1. Reactivity

Stable in normal conditions

10.2. Chemical stability

Stable in normal conditions

10.3. Possibility of hazardous reactions

No hazardous reaction will occur

10.4 Conditions to avoid

Stable in normal conditions.

10.5 Incompatible Materials

No available data.

10.6 Hazardous decomposition products

No hazardous decomposition product

11. Toxicological information

11.1 Information on toxicological effects

Toxicological information of mixture:

N.A.

Toxicological information of the principal substances present in the mixture:

2-(2-butossietossi)etanolo; dietilene glicol(mono)butiletene - CAS: 112-34-5

a) acute toxicity:

Test: LD50 - Via: Orale - Specie: Ratto = 6600 mg/kg

Test: Irritating for the breathing way Positive

b) corrosion/cutaneous irritation:

Test: Irritating for the skin Positive

c) serious ocular lesions/serious ocular irritation:

Test: Irritating for the eyes Positive

If not differently specified, data requested according to Regulation (EU) 2015/830 under indications are to be intended N.A.:

a) acute toxicity;

b) corrosion/cutaneous irritation;

c) serious ocular lesions/serious ocular irritation;

d) breathing or cutaneous sensitization;

e) mutagenous of germinal cells;

f) carcinogenic;

g) toxic for reproduction;

h) specified toxicity of organic targets (STOT) – single expositions;

i) specified toxicity of organic targets (STOT) — repetitive expositions;

j) hazard in case of inhalation.

12. Ecological information

12.1. Toxicity

Use it according to the good working practices, avoiding to discharge the product in the environment.

2-(2-butossietossi)etanolo; dietilenglicol(mono)butiletene - CAS: 112-34-5

a) Acute aquatic toxicity:

Endpoint: LC50 - Species: Fishes = 2700 mg/l

Endpoint: EC50 - Species: Dafnie > 1000 mg/l

12.2 Persistence and degradability

N.A.

12.3 Bio-accumulative potential

2-(2-butossietossi)etanolo; dietilenglicol(mono)butiletene - CAS: 112-34-5

Bio-accumulative: N.A. Test: Kow - Coefficient of partition 0.56 - Time: N.A. - Note: N.A.

12.4 Mobility in soil (and other compartments if available)

2-(2-butossietossi)etanolo; dietilenglicol(mono)butiletene - CAS: 112-34-5

Mobility in soil: N.A. Test: N.A. N.A. Time: N.A. Note: The product is soluble in water.

12.5 Results of evaluations on the PBT or vPvB

Substances vPvB: None - Substances PBT: None

12.6 Other adverse effects

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None

13. Disposal considerations

13.1 Waste treatment methods

Recover if possible. Operate according to current local and national dispositions.

14. Transport information

14.1 ONU Number

Goods not hazardous according to transport norms.

14.2 Proper ONU Shipping Name

N.A.

14.3 Hazard class for transport

N.A.

14.4 Packaging group

N.A.

14.5 Environmental hazards

N.A.

14.6 Special precautions for users

N.A.

14.7 Transport of the product in accordance with the Annex II of Marpol 73/78 and the IBC code

No

15. Information on regulation

15.1 Safety, health and environmental regulations/legislation specific for the product

D.Lgs. 9/4/2008 n. 81

D.M. Lavoro 26/02/2004 (Limits of professional expositions)

Regulation (CE) n. 1907/2006 (REACH)

Regulation (CE) n. 1272/2008 (CLP)

Regulation (CE) n. 790/2009 (ATP 1 CLP) e (UE) n. 758/2013

Regulation (UE) 2015/830

Regulation (UE) n. 286/2011 (ATP 2 CLP)

Regulation (UE) n. 618/2012 (ATP 3 CLP)

Regulation (UE) n. 487/2013 (ATP 4 CLP)

Regulation (UE) n. 944/2013 (ATP 5 CLP)

Regulation (UE) n. 605/2014 (ATP 6 CLP)

Restrictions related to the product or substances contained in Annex XVII of Regulation (CE) 1907/2006 (REACH)

and subsequent adjustments:

Restrictions related to the product:

Restrictions 40

Restrictions related to substances contained:

Restrictions 55

None

Solvents classes according to DPR 203/88 (SOV):

None

Where applicable, it should be referred to the following norms:

Ministries dispositions 46 and 61 (Ammine aromatiche).

D.Lgs. 21 September 2005 n. 238 (Direttiva Seveso Ter)

Regulation 648/2004/CE (Detergenti).

D.L. 3/4/2006 n. 152 Norm in environmental matter

Related disposition to directive 82/501/EC(Seveso), 96/82/EC(Seveso II):

N.A.

VOC (2004/42/EC) : 140 g/l

15.2 Chemical Safety Assessment (CSA)

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16. Other information

17. 16.1 Full text of classifications [DSD/DPD]

Full text of phrases used in paragraph 3:

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H318 Causes serious ocular lesions.

H317 May cause an allergic skin reaction.

H400 Toxic to aquatic life with long lasting effects.

H302 Harmful if ingested.

H314 May cause serious cutaneous burn and serious ocular lesions.

H410 Very toxic for aquatic life with long lasting effects.

H301 Toxic if ingested.

H311 Toxic for skin contact.

H331 Toxic if inhaled.

This document has been drafted by a specialised technician in subject of SDS, after having received adequate education.

Major sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight
Edition - Van Nostrand Reinold
CCNL - Allegato 1
Istituto Superiore di Sanità - Inventario Nazionale Sostanze Chimiche

Abbreviations and acronyms

ADR: Agreement on road transport of dangerous good by road.
CAS: Chemical Abstract Service (unit of American Chemical Society).
CLP: Classification, Labelling, Packaging.
DNEL: Derived No Effect Level.
EINECS: European Inventory of Existing Commercial Chemical Substances.
GefStoffVO: Ordinanza sulle sostanze pericolose, Germania.
GHS: Globally Harmonized System of Classification and Labelling of Chemicals.
IATA: International Air Transport Association.
IATA-DGR: International Air Transport Association- Dangerous Good Regulation (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions of " International Civil Aviation Organization " (ICAO).
IMDG: International Maritime Dangerous Goods code.
INCI: International Nomenclature of Cosmetic Ingredients.
KSt: Explosive coefficient.
LC50: Lethal Concentration for 50 % of the tested population.
LD50: Lethal Dose for 50 % of the tested population.
LTE: Long term exposition.
PNEC: Concentrazione prevista senza effetto.
RID: Regulation concerning international transport by rail of dangerous goods.
STE: Esposizione a breve termine.
STEL: Short term exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold limit value.
TWATLV: Threshold limit value for a Time Weighted Average of 8 hours per day. (ACGIH Standard).
WGK: Wassergefährdungsklassen (German Water Hazard Classes).

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Release:

This safety data sheet (SDS) is based on legal provisions contained in the REACH Regulation (EC / 1907/2006), as amended and supplemented. The information contained herein is based on information described in SDS of raw materials that compose the product and on our knowledge at the indicated date. It only refers to the specified product and it does not constitute a guarantee of particular quality.

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Indications of changes to the previous version of the SDS: review of the entire document.

This SDS is available in digital form on the website: www.diasen.com.
