

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

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

1.1 Product identifier

Trade name: INSEBO 2K Anker Fix COMP.A

UFI: 770M-HVKM-S429-7D0K

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

Application of the substance / mixture

Bi-component injection system for chemical anchor on construction materials.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

WS INSEBO GmbH

Industriestraße 24, A-2325 Himberg bei Wien

Tel.: +43 (0) 2235/86227-0

Fax: +43 (0) 2235/86020

e-mail: office@insebo.com

1.4 Emergency telephone number Call local emergency information.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS07

Signal word Warning

Hazard-determining components of labelling:

ethylene dimethacrylate

methacrylic acid, monoester with propane-1,2-diol

Hazard statements

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves, eye/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with national regulations.

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

Trade name: INSEBO 2K Anker Fix COMP.A

2.3 Other hazards

Results of PBT and vPvB assessment

The product contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Determination of endocrine-disrupting properties

The product contains no components considered to have endocrine disrupting properties according to REACH Article 57(f), Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixture

Description: Mixture of substances listed below with non-hazardous additions.

| Dangerous components: | | |
|--|--|-----------|
| CAS: 97-90-5 EINECS: 202-617-2 Index number: 607-114-00-5 Reg.No.: 01-2119965172-38 | ethylene dimethacrylate ----- Skin Sens. 1, H317; STOT SE 3, H335; Aquatic Chronic 3, H412 Specific concentration limit: STOT SE 3; H335: C ≥ 10 % | 10 - <17% |
| CAS: 27813-02-1 EINECS: 248-666-3 Reg.No.: 01-2119490226-37 | methacrylic acid, monoester with propane-1,2-diol ----- Eye Irrit. 2, H319; Skin Sens. 1, H317 | 5 - <9% |
| CAS: 38668-48-3 EINECS: 254-075-1 Reg.No.: 01-2119980937-17 | 1,1'-(p-tolylimino)dipropan-2-ol ----- Acute Tox. 2, H300; Eye Irrit. 2, H319; Aquatic Chronic 3, H412 | 0 - <1% |

Additional information:

For the wording of the listed hazard phrases refer to section 16.

Quartz (CAS 14808-60-7): ≥ 50 - <80 %

The quartz contained in the product is classified as non-hazardous. Furthermore, being linked to the other liquid / pasty components of the mixture, it is not freely available during use. The final product has a pasty consistency and the limits of exposure to inhalable dusts are not relevant.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

In case of accident or if you feel unwell seek medical advice (show label where possible).

Personal protection for the First Aider.

After inhalation:

Supply fresh air. In case of breathing difficulties seek medical help immediately.

If respiratory activity is irregular or cessation of breathing appears give artificial respiration.

After skin contact:

Remove contaminated clothes and rinse affected skin thoroughly with water.

Seek medical treatment.

Wash contaminated clothes before reuse.

After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

Trade name: INSEBO 2K Anker Fix COMP.A

Seek medical treatment.

After swallowing:

Rinse out mouth and have person sip a glass of water (only if person is not unconscious).

Do not induce vomiting without medical advice.

Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed No symptoms known or expected.

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

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

CO₂, dry chemical powder, foam or water haze.

5.2 Special hazards arising from the substance or mixture

Avoid inhalation of explosive and fire gases.

Exposure to decomposition products may be harmful to health.

5.3 Advice for firefighters

Protective equipment:

Protective clothing i.e. gear (EN 469), gloves (EN 659) and boots (HO A29 and A30) in combination with an open circuit, self-contained, compressed air breathing apparatus (EN 137).

Additional information

Cool endangered receptacles with water spray. Contain runoff to prevent entry into water or drainage systems.

Dispose of fire debris and contaminated firefighting water according to the regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Please notice instructions for person-related safety precautions, wear protective equipment (see 8.)

Avoid any contact with skin, eyes and clothes.

Keep unprotected persons away. Ensure adequate ventilation.

Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental precautions:

Do not allow to enter sewers, surface or ground water.

Advise water authority in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:

Allow to solidify and remove mechanically.

Place into suitable and labelled containers for disposal.

Clean contaminated floors and objects thoroughly, observing environmental regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

Trade name: INSEBO 2K Anker Fix COMP.A

SECTION 7: Handling and storage

7.1 Precautions for safe handling

While handling pay attention to the usual precaution for chemicals.
Comply with instructions for use.
Do not eat, drink or smoke when using this product.
Avoid any contact with skin, eyes and clothes.
Contaminated work clothing should not be allowed out of the workplace.
Provide good ventilation/exhaustion at the workplace.
Do not breathe vapours.
Wash hands before break and at the end of work.

Information about fire - and explosion protection:

Keep away from heat, sparks, open flames and hot surfaces. No smoking.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Store in tightly closed original packaging in a cool and well-ventilated place.
Protect from heat and direct sun.

Information about storage in one common storage facility:

Do not store food, beverages and animal feeding stuff in the storage area.

Further information about storage conditions:

Keep out of the reach of children and domestic animals.
Keep container tightly sealed.

Recommended storage temperature: 5 °C to 30 °C

7.3 Specific end use(s) Use according to instructions.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 97-90-5 ethylene dimethacrylate

MAK (Germany) als Dampf und Aerosol;vgl.Abschn.IV

Regulatory information MAK (Germany): MAK- und BAT-Liste

DNELs:

ethylene dimethacrylate (CAS 97-90-5):

worker, long-term exposure - systemic effects, inhalation 2.45 mg/m³
worker, long-term exposure - systemic effects, dermal 1.3 mg/kg bw/day
consumer, long-term exposure - systemic effects, inhalation 1.45 mg/m³
consumer, long-term exposure - systemic effects, dermal, oral 0.83 mg/kg bw/day
consumer, long-term exposure - systemic effects, oral 0.83 mg/m³

methacrylic acid, monoester with propane-1,2-diol (CAS 27813-02-1):

worker, long-term exposure - systemic effects, inhalation 14.7 mg/m³
worker, long-term exposure - systemic effects, dermal 4.2 mg/kg bw/day
consumer, long-term exposure - systemic effects, inhalation 8.8 mg/m³
consumer, long-term exposure - systemic effects, dermal 2.5 mg/kg bw/day
consumer, long-term exposure - systemic effects, oral 8.8 mg/kg bw/day

1,1'-(p-tolyimino)dipropan-2-ol (CAS 38668-48-3):

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

Trade name: INSEBO 2K Anker Fix COMP.A

worker, long-term exposure - systemic effects, inhalation 2.47 mg/m³
worker, long-term exposure - systemic effects, dermal 0.7 mg/kg bw/day
consumer, long-term exposure - systemic effects, oral 0.25 mg/kg bw/day

PNECs:

ethylene dimethacrylate (CAS 97-90-5):
freshwater 0.139 mg/l, marine water 0.014 mg/l
sediment freshwater 1.6 mg/kg, marine water 0.16 mg/kg
intermittent release 0.15 mg/l, STP 57 mg/l; soil 0.239 mg/kg

methacrylic acid, monoester with propane-1,2-diol (CAS 27813-02-1):
freshwater 0.9 mg/l, marine water 0.9 mg/l
sediment freshwater 6.28 mg/kg, marine water 6.28 mg/kg
intermittent release 0.97 mg/l, STP 10 mg/l; soil 0.72 mg/kg

1,1'-(p-tolylimino)dipropan-2-ol (CAS 38668-48-3):
freshwater 0.017 mg/l, marine water 0.0017 mg/l
sediment freshwater 0,163 mg/kg, marine water 0.0163 mg/kg
intermittent release 0.17 mg/l, STP 0.199 mg/l; soil 0.0226 mg/kg

8.2 Exposure controls

Appropriate engineering controls Provide sufficient ventilation, particularly in closed areas.

Individual protection measures, such as personal protective equipment**General protective and hygienic measures:**

Avoid unnecessary contact with the product. Do not eat, drink or smoke at workplace and keep it tidy.
Remove contaminated clothing immediately and wash carefully before reuse.
Do not breathe vapours.
Provide eyewash station and safety shower.
Wash hands before break and at the end of work.

Respiratory protection:

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required. Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited. If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (EN 137) or external air-intake breathing apparatus (EN 138). For a correct choice of respiratory protection device, see standard EN 529.

Hand protection

Chemical resistant gloves (EN 374)

Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed.

Material of gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

Trade name: INSEBO 2K Anker Fix COMP.A

Penetration time of glove material

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection Tightly sealed goggles (EN 166) recommended.

Body protection

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344).

Environmental exposure controls Do not allow to enter sewers/surface or ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--|--------------------|
| Form: | Paste |
| Colour: | Cream coloured |
| Odour: | Characteristic |
| Melting point/freezing point: | No data available |
| Boiling point or initial boiling point and boiling range: | No data available |
| Flammability: | No data available. |
| Lower and upper explosion limit: | No data available. |
| Flash point: | No data available |
| Auto-ignition temperature: | No data available. |
| Decomposition temperature: | No data available. |
| pH: | Not applicable |
| Viscosity | |
| kinematic: | No data available. |
| Solubility | |
| water: | Insoluble |
| Partition coefficient, n-octanol/water: | No data available. |
| Vapour pressure: | No data available. |
| Relative density: | 1.60 - 1.80 |
| Relative gas density | No data available. |

9.2 Other information

| | |
|------------------------------|--------------------|
| Explosive properties: | No data available |
| Oxidising properties: | No data available. |

Information with regard to physical hazard classes Not relevant.

SECTION 10: Stability and reactivity

10.1 Reactivity No dangerous reaction known under conditions of normal use.

10.2 Chemical stability No hazardous reaction when handled and stored according to provisions.

10.3 Possibility of hazardous reactions No hazardous reactions known if used according to specifications.

10.4 Conditions to avoid Extreme temperatures and direct sun exposure.

10.5 Incompatible materials No further relevant information available.

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

Trade name: INSEBO 2K Anker Fix COMP.A

10.6 Hazardous decomposition products No further relevant information available.

SECTION 11: Toxicological information

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

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

| | | |
|--|------|------------------------|
| oral | ATE | > 2,000 mg/kg |
| CAS: 97-90-5 ethylene dimethacrylate | | |
| oral | LD50 | > 8.700 mg/kg (rat) |
| dermal | LD50 | > 2.000 mg/kg (rat) |
| CAS: 27813-02-1 methacrylic acid, monoester with propane-1,2-diol | | |
| oral | LD50 | > 2,000 mg/kg (rat) |
| dermal | LD50 | > 5,000 mg/kg (rabbit) |
| CAS: 38668-48-3 1,1'-(p-tolyimino)dipropan-2-ol | | |
| oral | LD50 | > 25 mg/kg (rat) |
| dermal | LD50 | > 2,000 mg/kg (rat) |

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure May cause respiratory irritation.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Based on available data, the classification criteria are not met.

| | | |
|---|---|-----------------------|
| CAS: 97-90-5 ethylene dimethacrylate | | |
| LC50/96h | > | 15.95 mg/l (fish) |
| EC50/48h | > | 44.9 mg/l (crustacea) |
| EC50/72h | > | 17.3 mg/l (alga) |
| NOEC | > | 6.93 mg/l (alga) |
| | > | 7.22 mg/l (crustacea) |

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

Trade name: INSEBO 2K Anker Fix COMP.A

CAS: 27813-02-1 methacrylic acid, monoester with propane-1,2-diol

| | |
|----------|-------------------------|
| LC50/96h | > 493 mg/l (fish) |
| EC50/48h | > 143 mg/l (crustacea) |
| EC50/72h | > 97.2 mg/l (alga) |
| NOEC | > 45.2 mg/l (crustacea) |

CAS: 38668-48-3 1,1'-(p-tolylimino)dipropan-2-ol

| | |
|----------|-----------------------|
| LC50/96h | > 17 mg/l (fish) |
| EC10/72h | > 57.8 mg/l (alga) |
| EC50/48h | > 28 mg/l (crustacea) |
| EC50/72h | > 245 mg/l (alga) |

12.2 Persistence and degradability

Ethylene dimethacrylate: rapidly degradable

Methacrylic acid, monoester with propane-1,2-diol: rapidly degradable

1,1'-(p-tolylimino)dipropan-2-ol: fully degradable

12.3 Bioaccumulative potential

Ethylene dimethacrylate: Partition coefficient log Kow: 2.4

1,1'-(p-tolylimino)dipropan-2-ol: Partition coefficient log Kow: 2.1

12.4 Mobility in soil 1,1'-(p-tolylimino)dipropan-2-ol: Partition coefficient: soil/water: 60 l/kg

12.5 Results of PBT and vPvB assessment

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties For information on endocrine disrupting properties see section 11.

12.7 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Do not dispose waste or remains together with domestic waste, do not empty into sink or toilet, hand over to hazardous waste disposers.

Small quantities of cured residue can be disposed of along with domestic waste according to local regulations.

European waste catalogue

Uncured material:

08 04 09: waste adhesives and sealants containing organic solvents or other hazardous substances.

Cured material:

08 04 10: waste adhesives and sealants other than those mentioned in 08 04 09

Packaging:

15 01 10: packaging containing residues of or contaminated by hazardous substances

Uncleaned packaging

Recommendation:

Cartridges/buckets/pouches should be emptied completely and should preferably be recycled or reused in compliance with the local/national regulations. Cartridges/buckets/pouches not emptied appropriately or remains have to be disposed of like the product.

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

Trade name: INSEBO 2K Anker Fix COMP.A

SECTION 14: Transport information

| | |
|---|----------------|
| 14.1 UN number or ID number ADR, IMDG, IATA | void |
| 14.2 UN proper shipping name ADR, IMDG, IATA | void |
| 14.3 Transport hazard class(es) ADR, IMDG, IATA Class | void |
| 14.4 Packing group ADR, IMDG, IATA | void |
| 14.5 Environmental hazards: | not applicable |
| 14.6 Special precautions for user | not required |
| 14.7 Maritime transport in bulk according to IMO instruments | not applicable |
| UN "Model Regulation": | void |

SECTION 15: Regulatory information

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

Seveso category Not applicable.

List of substances subject to authorisation (Annex XIV) Not listed.

Restrictions according to Annex XVII of the Regulation (EC) No 1907/2006:

Contains no substance on the REACH candidate list.

Regulation (EU) No 649/2012 Not applicable.

Regulation (EU) 2019/1148: None of the ingredients is listed.

Classification according to VbF: No data available.

Water hazard class: Water hazard class (German Regulation) 1 (self-assessment): slightly hazardous for water.

Substances of very high concern (SVHC) according to REACH, Article 59

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in concentrations above $\geq 0.1\%$.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H300 Fatal if swallowed.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

Trade name: INSEBO 2K Anker Fix COMP.A

H412 Harmful to aquatic life with long lasting effects.

Further information:

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008: Calculation method

Abbreviations and acronyms:

CLP: REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CAS: Chemical Abstracts Service (division of the American Chemical Society)
EINECS: European Inventory of Existing Commercial Chemical Substances
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
DNEL: Derived No-Effect Level
PNEC: Predicted No-Effect Concentration
ATE: Acute Toxicity Estimates
EC50: maximal effective concentration, 50%
LC50: lethal concentration, 50%
LD50: lethal dose, 50%
NOEC: no observed effect concentration
log Pow, Kow: partition coefficient (n-octanol/water)
PBT: persistent, bioaccumulative and toxic properties
vPvB: very persistent and very bioaccumulative properties
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
VbF: Ordinance on the storage of combustible liquids, Austria
REACH: REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
Acute Tox. 2: Acute toxicity – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Data compared to the previous version altered: -

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

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

1.1 Product identifier

Trade name: INSEBO 2K Anker Fix COMP.B

UFI: A7VF-S206-5FC9-Y7PG

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

Application of the substance / mixture

Bi-component injection system for chemical anchor on construction materials.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

WS INSEBO GmbH

Industriestraße 24, A-2325 Himberg bei Wien

Tel.: +43 (0) 2235/86227-0

Fax: +43 (0) 2235/86020

e-mail: office@insebo.com

1.4 Emergency telephone number Call local emergency information.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS07

Signal word Warning

Hazard-determining components of labelling:

dibenzoyl peroxide

Hazard statements

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves, eye/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with national regulations.

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

Trade name: INSEBO 2K Anker Fix COMP.B

2.3 Other hazards

Results of PBT and vPvB assessment

The product contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Determination of endocrine-disrupting properties

The product contains no components considered to have endocrine disrupting properties according to REACH Article 57(f), Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixture

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous components:

| | | |
|----------------------------|--|-----------|
| CAS: 94-36-0 | dibenzoyl peroxide | 10 - <17% |
| EINECS: 202-327-6 | Org. Perox. B, H241; Aquatic Acute 1, H400 (M=10); Aquatic Chronic | |
| Index number: 617-008-00-0 | 1, H410 (M=10); Eye Irrit. 2, H319; Skin Sens. 1, H317 | |

Additional information:

For the wording of the listed hazard phrases refer to section 16.

Quartz (CAS 14808-60-7): ≥ 50 - <80 %

The quartz contained in the product is classified as non-hazardous. Furthermore, being linked to the other liquid / pasty components of the mixture, it is not freely available during use. The final product has a pasty consistency and the limits of exposure to inhalable dusts are not relevant.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

In case of accident or if you feel unwell seek medical advice (show label where possible).

Personal protection for the First Aider.

After inhalation:

Supply fresh air. In case of breathing difficulties seek medical help immediately.

If respiratory activity is irregular or cessation of breathing appears give artificial respiration.

After skin contact:

Remove contaminated clothes and rinse affected skin thoroughly with water.

Seek medical treatment.

Wash contaminated clothes before reuse.

After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Seek medical treatment.

After swallowing:

Rinse out mouth and have person sip a glass of water (only if person is not unconscious).

Do not induce vomiting without medical advice.

Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed No symptoms known or expected.

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

Trade name: INSEBO 2K Anker Fix COMP.B**4.3 Indication of any immediate medical attention and special treatment needed** Symptomatic treatment.**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.
CO₂, dry chemical powder, foam or water haze.

5.2 Special hazards arising from the substance or mixture

Avoid inhalation of explosive and fire gases.
Exposure to decomposition products may be harmful to health.

5.3 Advice for firefighters**Protective equipment:**

Protective clothing i.e. gear (EN 469), gloves (EN 659) and boots (HO A29 and A30) in combination with an open circuit, self-contained, compressed air breathing apparatus (EN 137).

Additional information

Cool endangered receptacles with water spray. Contain runoff to prevent entry into water or drainage systems.
Dispose of fire debris and contaminated firefighting water according to the regulations.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Please notice instructions for person-related safety precautions, wear protective equipment (see 8.)
Avoid any contact with skin, eyes and clothes.
Keep unprotected persons away. Ensure adequate ventilation.
Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental precautions:

Do not allow to enter sewers, surface or ground water.
Advise water authority in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:

Allow to solidify and remove mechanically.
Place into suitable and labelled containers for disposal.
Clean contaminated floors and objects thoroughly, observing environmental regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

While handling pay attention to the usual precaution for chemicals.
Comply with instructions for use.
Do not eat, drink or smoke when using this product.
Avoid any contact with skin, eyes and clothes.
Contaminated work clothing should not be allowed out of the workplace.
Provide good ventilation/exhaustion at the workplace.

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

Trade name: INSEBO 2K Anker Fix COMP.B

Do not breathe vapours.
Wash hands before break and at the end of work.

Information about fire - and explosion protection:

Keep away from heat, sparks, open flames and hot surfaces. No smoking.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Store in tightly closed original packaging in a cool and well-ventilated place.
Protect from heat and direct sun.

Information about storage in one common storage facility:

Do not store food, beverages and animal feeding stuff in the storage area.

Further information about storage conditions:

Keep out of the reach of children and domestic animals.
Keep container tightly sealed.

Recommended storage temperature: 5 °C to 30 °C

7.3 Specific end use(s) Use according to instructions.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 94-36-0 dibenzoyl peroxide

| | |
|---------------|---|
| MAK (Austria) | Short-term value: 10 E mg/m ³ ; Long-term value: 5 E mg/m ³ |
| AGW (Germany) | Long-term value: 5 E mg/m ³ ; 1(I);DFG |

Regulatory information

MAK (Austria): GKV 2020, 156. Verordnung, 09.04.2021, Teil II

AGW (Germany): TRGS 900

DNELs:

Dibenzoyl peroxide (CAS 94-36-0):

worker, long-term exposure - systemic effects, inhalation 39 mg/m³

worker, long-term exposure - systemic effects, derma 13,3 mg/kg bw/day

consumer, long-term exposure - systemic effects, oral 2 mg/m³

PNECs:

Dibenzoyl peroxide (CAS 94-36-0):

freshwater 0.00002 mg/l, marine water 0.000002 mg/l

sediment freshwater 0.0127 mg/kg, marine water 0.00127 mg/kg

intermittent release 0.000602 mg/l, STP 0.35 mg/l; soil 0.0025 mg/kg

8.2 Exposure controls

Appropriate engineering controls Provide sufficient ventilation, particularly in closed areas.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Avoid unnecessary contact with the product. Do not eat, drink or smoke at workplace and keep it tidy.

Remove contaminated clothing immediately and wash carefully before reuse.

Do not breathe vapours.

Provide eyewash station and safety shower.

Wash hands before break and at the end of work.

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

Trade name: INSEBO 2K Anker Fix COMP.B

Respiratory protection:

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required. Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited. If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (EN 137) or external air-intake breathing apparatus (EN 138). For a correct choice of respiratory protection device, see standard EN 529.

Hand protection



Chemical resistant gloves (EN 374)

Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed.

Material of gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection Tightly sealed goggles (EN 166) recommended.

Body protection

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344).

Environmental exposure controls Do not allow to enter sewers/surface or ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--|--------------------|
| Form: | Paste |
| Colour: | Black |
| Odour: | Characteristic |
| Melting point/freezing point: | No data available |
| Boiling point or initial boiling point and boiling range: | No data available |
| Flammability: | No data available. |
| Lower and upper explosion limit: | No data available. |
| Flash point: | No data available |
| Auto-ignition temperature: | No data available. |
| Decomposition temperature: | No data available. |
| pH: | Not applicable |
| Viscosity kinematic: | No data available. |
| Solubility water: | Insoluble |

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

Trade name: INSEBO 2K Anker Fix COMP.B

| | |
|--|--------------------|
| Partition coefficient, n-octanol/water: | No data available. |
| Vapour pressure: | No data available. |
| Density: | 1.50 - 1.70 kg/l |
| Relative gas density | No data available. |

9.2 Other information

| | |
|------------------------------|--------------------|
| Explosive properties: | No data available |
| Oxidising properties: | No data available. |

Information with regard to physical hazard classes Not relevant.

SECTION 10: Stability and reactivity

10.1 Reactivity No dangerous reaction known under conditions of normal use.

10.2 Chemical stability No hazardous reaction when handled and stored according to provisions.

10.3 Possibility of hazardous reactions No hazardous reactions known if used according to specifications.

10.4 Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition. Avoid transferring into containers that may have been contaminated with other substances. Avoid storing close to inflammable or combustible products.

10.5 Incompatible materials Strong reducing or oxidising agents, strong acids or alkalis, hot material.

10.6 Hazardous decomposition products

Thermal decomposition can lead to the formation of explosive peroxides or other potentially hazardous substances.

SECTION 11: Toxicological information

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

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

There are no product specific data on toxicology available.

CAS: 94-36-0 dibenzoyl peroxide

| | | |
|------------|---------|---------------------------------|
| oral | LD50 | > 2,000 mg/kg (rat) |
| inhalative | LC50/4h | > 24.3 mg/l (rat) (Staub/Nebel) |

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

Trade name: INSEBO 2K Anker Fix COMP.B

Aspiration hazard Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Based on available data, the classification criteria are not met.

| | |
|----------|---|
| LC50/96h | > 100 mg/l (fish) (OECD 203) |
| EC50/48h | > 100 mg/l (water flea, Daphnia magna) (OECD 202) |
| EC50/72h | > 100 mg/l (alga, Pseudokirchneriella subcapitata) (OECD 201) |
| NOEC/28d | > 100 mg/l (fish) (OECD 215) |

CAS: 94-36-0 dibenzoyl peroxide

| | |
|----------|-------------------------------------|
| LC50/96h | > 0.0602 mg/l (fish) (OECD 203) |
| EC10/28d | > 0.001 mg/l (crustacea) (OECD 211) |
| EC50/48h | > 0.11 mg/l (crustacea) (OECD 202) |
| EC50/72h | > 0.0711 mg/l (alga) (OECD 201) |
| NOEC/72h | > 0.02 mg/l (alga) |
| NOEC/96h | > 0.0316 mg/l (fish) |

12.2 Persistence and degradability

Dibenzoyl peroxide: rapidly degradable
Degradation in water: 71% (28d, OECD 301 D)

12.3 Bioaccumulative potential Dibenzoyl peroxide: Partition coefficient log Kow: 3.2 (OECD 117)

12.4 Mobility in soil Dibenzoyl peroxide: Partition coefficient: soil/water: 3.8 (OECD 121)

12.5 Results of PBT and vPvB assessment

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties For information on endocrine disrupting properties see section 11.

12.7 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Do not dispose waste or remains together with domestic waste, do not empty into sink or toilet, hand over to hazardous waste disposers.
Small quantities of cured residue can be disposed of along with domestic waste according to local regulations.

European waste catalogue

Uncured material:

08 04 09: waste adhesives and sealants containing organic solvents or other hazardous substances.

Cured material:

08 04 10: waste adhesives and sealants other than those mentioned in 08 04 09

Packaging:

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

Trade name: INSEBO 2K Anker Fix COMP.B

15 01 10: packaging containing residues of or contaminated by hazardous substances

Uncleaned packaging

Recommendation:

Cartridges/buckets/pouches should be emptied completely and should preferably be recycled or reused in compliance with the local/national regulations. Cartridges/buckets/pouches not emptied appropriately or remains have to be disposed of like the product.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA void

14.2 UN proper shipping name

ADR, IMDG, IATA void

14.3 Transport hazard class(es)

ADR, IMDG, IATA

Class void

14.4 Packing group

ADR, IMDG, IATA void

14.5 Environmental hazards:

not applicable

14.6 Special precautions for user

not required

14.7 Maritime transport in bulk according to IMO

instruments not applicable

UN "Model Regulation":

void

SECTION 15: Regulatory information

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

Seveso category Not applicable.

List of substances subject to authorisation (Annex XIV) Not listed.

Restrictions according to Annex XVII of the Regulation (EC) No 1907/2006:

Contains no substance on the REACH candidate list.

Regulation (EU) No 649/2012 Not applicable.

Regulation (EU) 2019/1148: None of the ingredients is listed.

Water hazard class: Water hazard class (German Regulation) 1 (self-assessment): slightly hazardous for water.

Substances of very high concern (SVHC) according to REACH, Article 59

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in concentrations above $\geq 0.1\%$.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version 1

Revision: 05.09.2023

Trade name: INSEBO 2K Anker Fix COMP.B**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H241 Heating may cause a fire or explosion.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Further information:

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008: On basis of product test data as well as calculation method

Abbreviations and acronyms:

CLP: REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CAS: Chemical Abstracts Service (division of the American Chemical Society)
EINECS: European Inventory of Existing Commercial Chemical Substances
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
DNEL: Derived No-Effect Level
PNEC: Predicted No-Effect Concentration
ATE: Acute Toxicity Estimates
EC50: maximal effective concentration, 50%
LC50: lethal concentration, 50%
LD50: lethal dose, 50%
NOEC: no observed effect concentration
OECD: Organisation for Economic Co-operation and Development
log Pow, Kow: partition coefficient (n-octanol/water)
PBT: persistent, bioaccumulative and toxic properties
vPvB: very persistent and very bioaccumulative properties
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
VbF: Ordinance on the storage of combustible liquids, Austria
REACH: REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
Org. Perox. B: Organic peroxides – Type B
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Data compared to the previous version altered: -