

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 26.02.2025

Version 1

Revision: 26.02.2025

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

1.1 Product identifier

Trade name: INSEBO HybridTec Glasklar 30

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

Application of the substance / mixture PC1 Adhesives, sealants

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

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

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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 void

Signal word void

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Additional information:

EUH208 Contains trimethoxyvinylsilane, N-(3-(trimethoxysilyl)propyl)ethylenediamine, bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment The product does not contain substances classified as PBT or vPvB.

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: 7631-86-9 EINECS: 231-545-4 Reg.No.: 01-2119379499-16	silicon dioxide substance with a Community workplace exposure limit	10 - 20%
CAS: 2768-02-7 EINECS: 220-449-8 Index number: 014-049-00-0 Reg.No.: 01-2119513215-52	trimethoxyvinylsilane Skin Sens. 1B, H317	1 - 5%

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CAS: 1760-24-3 EINECS: 217-164-6 Reg.No.: 01-2119970215-39	N-(3-(trimethoxysilyl)propyl)ethylenediamine Eye Dam. 1, H318; Skin Sens. 1B, H317; STOT SE 3, H335	0.1 - 1%
CAS: 41556-26-7 EINECS: 255-437-1	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	0.1 - 1%
CAS: 82919-37-7 EINECS: 280-060-4	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	0.1 - 1%

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: In case of complaints or in case of doubts seek medical advice.

After inhalation:

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
If symptoms persist seek medical advice.

After skin contact:

Remove contaminated clothing immediately. Rinse skin thoroughly with plenty of water and mild soap.
DO NOT use solvents or thinners to clean skin.
Seek medical advice if skin irritation or rash occurs.

After eye contact:

Rinse opened eye immediately with plenty of water. Remove contact lenses if possible. Continue rinsing.
Seek medical advice if irritation persists.

After swallowing:

Rinse mouth. Do NOT induce vomiting.
If symptoms occur, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

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

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Use extinguishing media suitable to surrounding conditions.
Water spray, carbon dioxide (CO₂), foam, dry powder.

Unsuitable extinguishing media: Water with full jet.

5.2 Special hazards arising from the substance or mixture

Formation of hazardous gases is possible during heating or in case of fire.

5.3 Advice for firefighters

Protective equipment:

In case of fire wear self-contained respiratory equipment and protective suit.
Do not inhale explosion gases or combustion gases.

Additional information

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

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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.)

Keep unprotected persons away.

Ensure adequate ventilation.

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:

Absorb with liquid-binding material (sand, diatomite, acid or universal binders, sawdust).

Allow to solidify and remove mechanically.

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

Provide good ventilation/exhaustion at the workplace.

Do not breathe vapours.

Do not eat, drink or smoke when using this product.

Wash hands and exposed skin thoroughly after finishing work and before breaks.

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.

Avoid direct sun exposure, heat and frost.

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.

7.3 Specific end use(s) Sealant

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 7631-86-9 silicon dioxide

MAK (Austria)	Long-term value: 4 E mg/m ³
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AGW (Germany)	Long-term value: 1 E mg/m ³ ; 8(II);AGS, 2, Y
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Regulatory information

MAK (Austria): GKV 2021, 330. Verordnung, 02.12.2024, Teil 2

AGW (Germany): TRGS 900

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Trimethoxyvinylsilane (CAS 2768-02-7):

worker, long-term exposure - systemic effects, inhalation 27.6 mg/m³
worker, long-term exposure - systemic effects, dermal 3.9 mg/kg bw/day
consumer, short-term exposure - systemic effects, inhalation 93.4 mg/m³
consumer, long-term exposure - systemic effects, inhalation 6.7 mg/m³
consumer, short-term exposure - systemic effects, dermal 26.9 mg/kg bw/day
consumer, long-term exposure - systemic effects, dermal 7.8 mg/kg bw/day
consumer, long-term exposure - systemic effects, oral 0.3 mg/kg bw/day

N-[3(Trimethoxysilyl)propyl]ethylenediamine (CAS 1760-24-3):

worker, short-term exposure - local effects, inhalation 5.36 mg/m³
worker, short-term exposure - systemic effects, inhalation 35.5 mg/m³
worker, long-term exposure - local effects, inhalation 0.6 mg/m³
worker, short and long-term exposure - systemic effects, dermal 5 mg/kg bw/day
consumer, short-term exposure - local effects, inhalation 4 mg/m³
consumer, long-term exposure - local effects, inhalation 0.1 mg/m³
consumer, short and long-term exposure - systemic effects, inhalation 8.7 mg/m³
consumer, short-term exposure - systemic effects, dermal 17 mg/kg bw/day
consumer, long-term exposure - systemic effects, dermal, oral 2.5 mg/kg bw/day

PNECs:

Trimethoxyvinylsilane (CAS 2768-02-7):

freshwater 0.36 mg/l, marine water 0.036 mg/l
sediment freshwater 1.3 mg/kg, marine water 0.13 mg/kg
soil 0.055 mg/kg, STP 110 mg/l

N-[3(Trimethoxysilyl)propyl]ethylenediamine (CAS 1760-24-3):

freshwater 0.62 mg/l, marine water 0.062 mg/l
sediment freshwater 0.22 mg/kg, marine water 0.022 mg/kg
soil 0.0085 mg/kg, STP 25 mg/l

8.2 Exposure controls**Appropriate engineering controls** Provide good ventilation or exhaust at work.**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.

Remove contaminated clothing and wash carefully before reuse.

Wash hands before break and at the end of work.

Respiratory protection: Not required if used according to its intended purpose.**Hand protection**

Chemical resistant gloves (EN 374) recommended

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

Material of gloves

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.

Nitrile rubber (≥ 0.4 mm), butyl rubber (≥ 0.7 mm)

Rate of permeability: > 480 min (performance index: class 6)

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.

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Eye/face protection Not required if handled properly.

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:	Transparent
Odour:	Odourless
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:	No data available
Viscosity	
dynamic at 21 °C:	401.000 mPas
kinematic:	391.219 mm ² /s
Solubility	
water:	Not miscible or difficult to mix.
Partition coefficient, n-octanol/water:	No data available.
Vapour pressure:	No data available.
Density:	1.025 g/cm ³ (DIN ISO 1183-1)
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 Stable in standard stocking and use conditions.

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 Protect from frost.

10.5 Incompatible materials No further relevant information available.

10.6 Hazardous decomposition products None under normal conditions of storage and use.

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.

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LD/LC50 values relevant for classification:

There are no product specific data on toxicology available.

CAS: 7631-86-9 silicon dioxide

oral	LD50	5.000 mg/kg (rat)
dermal	LD50	2.000 mg/kg (rat)
inhalative	LC50/4h	2.2 - 5.01 mg/l (rat)

CAS: 2768-02-7 trimethoxyvinylsilane

oral	LD50	> 5,000 mg/kg (rat)
dermal	LD50	> 3,200 mg/kg (rabbit)
inhalative	LC50/4h	2,773 ppm (rat)

CAS: 1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine

oral	LD50	1.897 - 2.574 mg/kg (rat)
dermal	LD50	> 2,000 mg/kg (rat)
inhalative	LC50/4h	1.49 - 2.44 mg/l (rat)

CAS: 41556-26-7 bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

oral	LD50	> 2.000 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

Not classified (expert judgement).

The product contains sensitising substances. Skin contact may cause allergic reactions.

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.

Trimethoxyvinylsilane (CAS 2768-02-7):

NOAEL (animal/male, F0/P): 1,000 mg/kg bw

NOAEL (animal/female, F0/P): 250 mg/kg bw

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.

Trimethoxyvinylsilane (CAS 2768-02-7):

LOAEL (oral, rat, 90 days): 62.5 mg/kg bw

NOAEL (oral, rat, 90 days): < 62.5 mg/kg bw

N-(3-(trimethoxysilyl)propyl)ethylenediamine (CAS 1760-24-3):

NOAEL (oral, rat, 90 days): ≥ 500 mg/kg bw

NOAEL (dermal, rat/rabbit, 90 days): ≥ 1,545 mg/kg bw

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

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11.2 Information on other hazards

Endocrine disrupting properties None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment Not applicable.

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

12.7 Other adverse effects Avoid release to the environment.

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

08 04 09: waste adhesives and sealants containing organic solvents or other dangerous 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

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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 (REACH, Annex XIV) None of the ingredients is listed.

Substances of very high concern (SVHC) according to REACH, Article 57 None of the ingredients is listed.

Regulation (EU) 2019/1021 on persistent organic pollutants (POP) None of the ingredients is listed.

Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals (PIC)
None of the ingredients is listed.

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

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer None of the ingredients is listed.

Classification according to VbF: Void

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

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

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Further information:

Procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008:

Skin. Sens. Not classified (expert judgement)

H412 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

AGW: occupational exposure limit

MAK: maximum concentration of a chemical substance in the workplace

DNEL: Derived No-Effect Level

PNEC: Predicted No-Effect Concentration

LC50: lethal concentration, 50%

LD50: lethal dose, 50%

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LOAEL: Lowest observed adverse effect level
NOAEL: No Observed Adverse Effect Level
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
REACH: REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
VbF: Ordinance on the storage of combustible liquids, Austria
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1B: Skin sensitisation – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
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
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Data compared to the previous version altered: -