

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.



Filling and Packaging – Worldwide

Innocoll DP 8441

date of version: 18.07.2018 V 3.2
date of issue: 01.06.2015

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

1.1 Product identifier

Product name: Innocoll DP 8441

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

Identified uses: Adhesive for industrial and trade use

Uses advised against: No usage which is apart from.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier KHS GmbH Juchostr. 20
44143 Dortmund
www.khs.com
Germany

Telephone: +49 (0)231 / 569-10000

Fax: +49 (0)231 / 569-410300

Contact Person: Service Products

E-Mail: service.products@khs.com

1.4 Emergency telephone number +49(0)30 19240 (24h-emergency call)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture The product has not been classified as hazardous and does not need to be labelled according to regulation (EU) no 1272/2008 (CLP).

2.2 Label elements none

Hazard statements: none

Precautionary statements: none

Supplemental label elements: Contains 2-Methyl-2H-isothiazol-3-on, 1,2- Benzisothiazoline-3-on. May produce an allergic reaction.

2.3 Other hazards

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SECTION 3: Composition/information on ingredients

3.1 Chemical characterization

General information: Adhesive based on casein and dispersions.

SECTION 4: First aid measures

General: Take care of personal protection!

4.1 Description of first aid measures

Inhalation: Supply fresh air. Consult a doctor in case of complaints.

Eye contact: Rinse opened eye for several minutes under running water. In case of irritation, seek medical attention.

Skin Contact: Rinse contaminated skin with plenty of water. Remove contaminated clothing and shoes. In case of irritation, seek medical attention.

Ingestion: Rinse mouth thoroughly with water. If the mixture is swallowed, keep the exposed person conscious, drink plenty of water. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed no data available.

4.3 Indication of any immediate medical attention and special treatment needed Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide- (CO₂), Foam-, Fire extinguishing powder, water.
Suitable fire extinguishing method for surroundings.

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| Unsuitable extinguishing medi | unknown |
| Special hazards arising from the substance or mixture | Do not inhale combustion and explosion gases! Hazardous decomposition products: Ammonia, Carbon oxides |
| Advice for firefighters | In case of fire close off the affected area immediately and evacuate all persons from the affected area. Pay attention to self-protection! |
| Special fire fighting procedures: | no data available. |

SECTION 6: Accidental release measure

| | |
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| 6.1 Personal precautions, protective equipment and emergency procedures | Ensure adequate ventilation, evacuate the affected area. Wear personal protective equipment. |
| 6.2 Environmental precautions | Close leakage. Do not allow substance to enter drains or body of water without dilution. |
| 6.3 Methods and material for containment and cleaning up | Soak up with absorbent material (sand, kieselguhr, acid binders, and universal binders). Treat the absorbed material in accordance with the information in the section dealing with disposal. |
| 6.4 Reference to other sections | Section 01 Contact information in case of an emergency Section 07 Handling and storage Section 08 appropriate personal protective equipment Section 13 Disposal considerations |

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SECTION 7: Handling and storage

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| 7.1 Precautions for safe handling | Wear suitable protective equipment (see Section 8). In the working areas, do not eat, drink or smoke. Wash your hands after handling. Before entering areas where food is eaten, remove contaminated clothing and protective equipment. |
| 7.2 Conditions for safe storage, including any incompatibilities | Store in accordance with local regulations. Keep the original container in a cool well-ventilated place. Protect from direct sunlight and frost. |
| 7.3 Specific end use(s) | no data available. |
| Storage Class: | no data available. |

SECTION 8: Exposure controls/personal protection

| | |
|--|--|
| 8.1 Control parameters Occupational Exposure Limits | None of the components have assigned exposure limits. |
| 8.2 Exposure controls | No information about exposure limits available. |
| 8.2.1 Appropriate engineering controls: | No special ventilation requirements. Provide at workplace washing facilities. |
| 8.2.2 Individual protection measures, such as personal protective equipment | |
| General information: | Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products. |

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| Eye/face protection: | safety glasses (EN 166) recommended during refilling. |
| Hand Protection: | Protective gloves: The glove material has to be impermeable and resistant to the product / the substance / the preparation. Due to missing tests, no legally binding recommendation to the glove material for the product can be dispensed. Selection of the glove material on consideration of the penetration time, permeation and degradation. Protective gloves material: Gloves made of PVC or PE (based on practice experience). Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. The product is a preparation of several substances, the resistance of glove materials cannot be predicted and must therefore be checked before use. Penetration time of glove material: The exact penetration time has to be requested from the protective glove manufacturer and must be observed |
| Other: | no data available. |
| Respiratory Protection: | not required |
| Thermal hazards: | no data available. |
| Hygiene measures: | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned. |
| Environmental Controls: | no data available. |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

| | |
|-----------------|------------------|
| Physical state: | liquid |
| Form: | |
| colour: | beige-white |
| odor: | Product specific |
| odor threshold: | Not applicable |
| pH: | 4,5 ± 0,5 |
| boiling Point: | Not applicable |
| flash point: | >100°C |
| flash point: | >100°C |

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| evaporation Rate: | Value not relevant for classification. |
| flammability (solid, gas): | non-flammable |
| flammability limit - Upper (%)-: | Value not relevant for classification. |
| flammability Limit - Lower (%)-: | Value not relevant for classification. |
| vapor pressure: | Value not relevant for classification. |
| vapor density (air=1): | Value not relevant for classification. |
| density: | 1,02 ± 0,03 g/cm ³ |
| solubility(ies) | |
| solubility in Water: | unlimited in water |
| solubility (other): | Value not relevant for classification. |
| partition coefficient (n-octanol/water): | |
| autoignition Temperature: | |
| autoignition Temperature: | >300°C |
| decomposition Temperature: | Value not relevant for classification. |
| kinematic viscosity: | 50.000 ± 15.000 mPas |
| explosive properties: | none |
| oxidizing properties: | none |
| 9.2 other information | no data available. |

SECTION 10: stability and reactivity

| | |
|--|---|
| 10.1 reactivity | Stable under normal use conditions. |
| 10.2 chemical stability | Stable under normal use conditions. |
| 10.3 possibility of hazardous reactions | Avoid contact with strong acids, strong oxidizing agents. |
| 10.4 conditions to avoid | Frost, storage at temperatures > 40 ° C |
| 10.5 incompatible materials | no data available. |
| 10.6 hazardous decomposition products | Endothermic decomposition with formation of ammonia. |

SECTION 11: toxicological information

11.1 information on likely routes of exposure

Acute toxicity

Oral product: No specific Data available.

Dermal product: No specific Data available.

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| Inhalation product: | No specific Data available. |
| skin corrosion/irritation: product: | No specific Data available. |
| serious eye damage/eye irritation product: | No specific Data available. |
| respiratory or skin sensitization: | No specific Data available. |
| germ cell mutagenicity product: | No specific effects or critical hazards known |
| carcinogenicity product: | No specific effects or critical hazards known |
| reproductive toxicity product: | No specific effects or critical hazards known |
| specific target organ toxicity - single exposure product: | No specific effects or critical hazards known |
| specific target organ toxicity - repeated exposure product: | No specific effects or critical hazards known |
| aspiration hazard product: | No specific effects or critical hazards known |
| other adverse effects: | no data available. |

SECTION 12 :Ecological information

12.1 Toxicity

| | |
|---------------------------|---|
| Acute toxicity product: | No specific effects or critical hazards known |
| chronic toxicity product: | No specific effects or critical hazards known |

12.2 Persistence and Degradability

| | |
|-------------------------|---|
| Biodegradation product: | No specific effects or critical hazards known |
|-------------------------|---|

12.3 Bioaccumulative potential

| | |
|----------|---|
| product: | No specific effects or critical hazards known |
|----------|---|

12.4 mobility in soil

| | |
|----------|---|
| product: | No specific effects or critical hazards known |
|----------|---|

12.5 results of PBT and vPvB assessment:

No specific effects or critical hazards known

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| 12.6 other adverse effects | No specific effects or critical hazards known |
| water hazard class (WGK): | WGK 1: slightly water-endangering. |

SECTION 13: disposal considerations

13.1 waste treatment methods

general information: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues.

disposal methods: This material and its container must be disposed of in a safe manner (Waste Directive 2008/98 / EC, and national and regional regulations). A licensed waste disposal company should dispose of residues and non-recyclable products. Disposal of this product, solutions and any by-products should at all times be carried out in compliance with the environmental protection requirements, waste disposal legislation, and the requirements of local authorities.

Abfallrichtlinie 2008/98/EG (Germany)

SECTION 14: transport information

ADR/RID

14.1 UN number:
14.2 UN proper shipping name:
14.3 transport hazard class(es) non-dangerous goods
class
label(s)
hazard no. (ADR):
tunnel restriction code:
14.4 packing group:
14.5 environmental hazards:
14.6 special precautions for user:

ADN

14.1 UN number:
14.2 UN proper shipping name:
14.3 transport hazard class(es) non-dangerous goods
class
14.4 packing group:
14.5 environmental hazards:
14.6 special precautions for user:

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14.1 UN number:
14.2 UN proper shipping name:
14.3 transport hazard class(es) non-dangerous goods class
14.4 packing group:
14.5 environmental hazards:
14.6 special precautions for user:

IATA

14.1 UN number:
14.2 UN proper shipping name:
14.3 transport hazard class(es) non-dangerous goods class
14.4 packing group:
14.5 environmental hazards:
14.6 special precautions for user:

SECTION 15: regulatory information

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

EU Regulations regulation 1272/2008/EG (CLP/GHS)
supplement 790/2009/EG
supplement 286/2011/EG
supplement 487/2013/EG
supplement 944/2013/EG
regulation 1907/2006/EG (REACH)
FDA CFR 175.105

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

national regulations

water hazard class (WGK): WGK 1: slightly water-endangering.

15.2 chemical safety assessment: No Chemical Safety Assessment has been carried out.

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SECTION 16: other information

revision Information: Vertical lines in the margin indicate an amendment.

wording of the H-statements
in section 2 and 3

other information: The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies. The classification results from the Conventional Method mentioned in regulation EU 1272/2008 (CLP).

revision date: 18.07.2018
correcting formatting error in chapter 6.4

disclaimer: The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.