

SAFETY DATA SHEET

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



Filling and Packaging – Worldwide

Innocoll HML 2544

date of version: 18.07.2018 V 4.2
date of issue: 21.10.2015

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

1.1 Product identifier

Product name: Innocoll HML 2544

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 not applicable

Hazard statements: none

Precautionary statements:

Supplemental label elements: The product may not be released into the environment without control. By handling of chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept.

2.3 Other hazards

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SECTION 3: Composition/information on ingredients

3.1 Chemical characterization

General information: Adhesive based on styrene block copolymers

SECTION 4: First aid measures

General: Change clothes and shoes contaminated or soaked by the product. Never put rags contaminated by the product into clothing pockets. Instantly remove any clothing soiled by the product.

4.1 Description of first aid measures

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

Eye contact: If solid remove as contaminant. If hot rinse immediately with plenty of cold water and seek help from an ophthalmologist.

Skin Contact: In case of burns with the molten product cool the affected area immediately with cold water and do not remove the product from skin. The removal should be done very carefully and only when the product is solid again. Seek medical advice.

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

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

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Unsuitable extinguishing media	water
Special hazards arising from the substance or mixture	Do not inhale combustion and explosion gases! Hazardous decomposition products: Carbon monoxide, Carbon dioxide, Unknown hydrocarbons
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:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measure

6.1 Personal precautions, protective equipment and emergency procedures	Do not heat the adhesive above the recommended temperature. 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.
6.3 Methods and material for containment and cleaning up	Allow to cool down and collect in suitable containers for disposal. Clean up the area to prevent slipping hazard.
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

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.
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	None of the components have assigned exposure limits.
8.2.1 Appropriate engineering controls:	In case of open melting tanks, provide the area with suction. 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 Protective gloves material: Thermally resistant. 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: solid

Form:

colour: yellowish

odor: Product specific

odor threshold: Value not relevant for classification.

pH: Value not relevant for classification.

boiling Point: Not applicable

flash point: >250°C

flash point: >250°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:	Approx. 1,00 g/cm ³
solubility(ies)	
solubility in Water:	insoluble in water
solubility (other):	no data available.
partition coefficient (n-octanol/water):	
autoignition Temperature:	
autoignition Temperature:	>250°C
decomposition Temperature:	Value not relevant for classification.
kinematic viscosity:	1600 ± 320 mPas (Brookfield 140°C)
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	Storage at temperatures > 40 ° C
10.5 incompatible materials	no data available.
10.6 hazardous decomposition products	Carbon monoxide, Carbon dioxide, Unknown hydrocarbons

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:	badly biodegradable
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12.3 Bioaccumulative potential

product:	No specific effects or critical hazards known
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12.4 mobility in soil

product:	No specific effects or critical hazards known
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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):

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 FDA 21 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 BfR-recommendation XIV

water hazard class (WGK):

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.