

Trade name: JACKODUR Montagekleber

Product no.: JIN-009

Current version : 3.0.2, issued: 13.12.2017

Replaced version: 3.0.1, issued: 10.08.2016

Region: GB

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

1.1 Product identifier

Trade name

JACKODUR Montagekleber

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

Relevant identified uses of the substance or mixture

Adhesives

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

Jackon Insulation GmbH
Ritzlebener Straße 1
D-39619 Arendsee

Telephone no. +49 (0)3 90 36 / 9 60 - 0

Fax no. +49 (0)3 90 36 / 9 60 - 2 90

Information provided by / telephone

Tel.: +49 (0)3 90 36 / 9 60 - 0; Fax: +49 (0)3 90 36 / 9 60 - 2 90

Advice on Safety Data Sheet

info@jackodur.com

1.4 Emergency telephone number

+49 (0)3 90 36 / 9 60 - 0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Carc. 2; H351

Eye Irrit. 2; H319

Resp. Sens. 1; H334

Skin Irrit. 2; H315

Skin Sens. 1; H317

STOT RE 2; H373

STOT SE 3; H335

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms



GHS07



GHS08

Signal word

Danger

Hazardous component(s) to be indicated on label:

diphenylmethanediisocyanate, isomeres and homologues

Hazard statement(s)

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H319

Causes serious eye irritation.

H334

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335

May cause respiratory irritation.

H351

Suspected of causing cancer

H373

May cause damage to organs through prolonged or repeated exposure

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Hazard statements (EU)

EUH204 Contains isocyanates. May produce an allergic reaction.

Precautionary statement(s)

P201 Obtain special instructions before use.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P284 In case of inadequate ventilation wear respiratory protection.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P314 Get medical advice/attention if you feel unwell.
 P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P501 Dispose of contents/container to a facility in accordance with local and national regulations.

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterization

Mixture (preparation)

Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	diphenylmethanediisocyanate, isomeres and homologues			
	9016-87-9 - - -	Carc. 2; H351 Acute Tox. 4; H332 STOT SE 3; H335 STOT RE 2*; H373 Eye Irrit. 2; H319 Skin Irrit. 2; H315 Resp. Sens. 1; H334 Skin Sens. 1; H317	>= 25.00 - < 50.00	%-b.w.
2	propylene carbonate			
	108-32-7 203-572-1 607-194-00-1 -	Eye Irrit. 2; H319	< 5.00	%-b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(*; **; ***; ****) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	Resp. Sens. 1; H334: C >= 0.1% Eye Irrit. 2; H319: C >= 5% STOT SE 3; H335: C >= 5% Skin Irrit. 2; H315: C >= 5%	-	-

No	Route, target organ, concrete effect
1	H373 inhalational; hearing; -

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Poisonous symptoms can first be observed after several hours, therefore medical observation for at least 48 hours is necessary. Change contaminated, saturated clothing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. If unconscious place in recovery position and seek medical advice.

After skin contact

Affected skin should first be dabbed with cotton wool, then washed with plenty of water and a mild cleanser.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).

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After ingestion

Do not induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Call a doctor immediately.

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

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam; Dry chemical extinguisher; Carbon dioxide; Water spray jet

Unsuitable extinguishing media

No data available.

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide (CO); Nitrogen oxides (NOx); Hydrogen cyanide (HCN); Combustion products of this material have to be classed invariably as respiratory poison.

5.3 Advice for firefighters

Run-off water from fire fighting must not be discharged into drains or enter surface water. Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When picked up, treat material as prescribed under heading "Disposal considerations".

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Provide eye wash fountain in work area. Do not inhale vapours.

Advice on protection against fire and explosion

No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place. Store in a dry place.

Recommended storage temperature

Value 10 - 50 °C

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container.

Advice on storage assembly

None known

7.3 Specific end use(s)

No data available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	
List of approved workplace exposure limits (WELs) / EH40			
Isocyanates, all (as -NCO) Except methyl isocyanate			
	STEL	0.07	mg/m ³
	TWA	0.02	mg/m ³
	Skin resorption / sensibilisation	Sen	

8.2 Exposure controls

Appropriate engineering controls

In spray applications or raw material temperatures over 40 °C, air extraction is necessary.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Respiratory protection mask with combination filter A/P2.

Eye / face protection

Safety glasses (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	nitrile		
Material thickness	>=	0.35	mm
Breakthrough time	>=	480	min

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour	
pasty	
beige	
Odour	
characteristic	
Odour threshold	
No data available	
pH value	
No data available	
Boiling point / boiling range	
No data available	
Melting point / melting range	
No data available	
Decomposition point / decomposition range	
Remarks	As from approx. 260° polymerisation, CO2 separation.
Flash point	
Not applicable	

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Auto-ignition temperature	
No data available	
Oxidising properties	
No data available	
Explosive properties	
No data available	
Flammability (solid, gas)	
No data available	
Lower flammability or explosive limits	
No data available	
Upper flammability or explosive limits	
No data available	
Vapour pressure	
No data available	
Vapour density	
No data available	
Evaporation rate	
No data available	
Relative density	
No data available	
Density	
Value	1.51 g/cm ³
Reference temperature	20 °C
Solubility in water	
Remarks	immiscible
Solubility(ies)	
No data available	
Partition coefficient: n-octanol/water	
No data available	
Viscosity	
No data available	

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

No data available.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Temperatures > 50°C. Formation of CO₂ upon contact with water; development of overpressure in closed containers is possible.

10.5 Incompatible materials

Amines; Alcohols; Acids; Bases; Water

10.6 Hazardous decomposition products

Nitrous oxides (NO_x); Hydrogen cyanide (HCN)

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity		
No	Product Name	
1	JACKODUR Montagekleber	
LD50	>	2000 mg/kg
Species	rat	
Source	Manufacturer	
Remarks	Informations concern to main component.	

Acute dermal toxicity		
No	Product Name	
1	JACKODUR Montagekleber	
LD50	>	9400 mg/kg
Species	rabbit	
Source	Manufacturer	
Remarks	Informations concern to main component.	

Acute inhalational toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	JACKODUR Montagekleber
Remarks	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists).

Acute inhalational toxicity		
No	Product Name	
1	JACKODUR Montagekleber	
LC50	0.31	mg/l
Duration of exposure	4	h
Species	rat	
Source	Manufacturer	
Remarks	Informations concern to main component.	

Skin corrosion/irritation	
No	Product Name
1	JACKODUR Montagekleber
Source	Manufacturer
Evaluation	irritant

Serious eye damage/irritation	
No	Product Name
1	JACKODUR Montagekleber
Source	Manufacturer
Evaluation	irritant

Respiratory or skin sensitisation	
No	Product Name
1	JACKODUR Montagekleber
Route of exposure	Skin
Source	Manufacturer
Evaluation	sensitizing

Germ cell mutagenicity	
No data available	

Reproduction toxicity	
No data available	

Carcinogenicity	
No	Product Name
1	JACKODUR Montagekleber
Remarks	Carc. Cat. 3

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STOT - single exposure
No data available
STOT - repeated exposure
No data available
Aspiration hazard
No data available
Delayed and immediate effects as well as chronic effects from short and long-term exposure
Irritates the eyes and the skin. Irritates respiratory tract. Sensitisation possible through inhalation. Possibility of sensitisation through skin contact.
Other information
Exercise customary precautions when handling chemicals.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Product Name		
1	JACKODUR Montagekleber		
LC0		>	1000 mg/l
Duration of exposure			96 h
Species	Brachydanio rerio		
Reference substance	related to the main component		
Method	OECD 203		
Source	Manufacturer		

Toxicity to fish (chronic)
No data available

Toxicity to Daphnia (acute)			
No	Product Name		
1	JACKODUR Montagekleber		
EC50		>	1000 mg/l
Duration of exposure			24 h
Species	Daphnia magna		
Reference substance	related to the main component		
Method	OECD 202		
Source	Manufacturer		
NOEC		>	10 mg/l
Duration of exposure			21 d
Species	Daphnia magna		
Reference substance	related to the main component		
Method	OECD 211		
Source	Manufacturer		

Toxicity to Daphnia (chronic)
No data available

Toxicity to algae (acute)
No data available

Toxicity to algae (chronic)
No data available

Bacteria toxicity
No data available

12.2 Persistence and degradability

Physico-chemical eliminability	
No	Product Name
1	JACKODUR Montagekleber
Remarks	The product reacts with water at the interface forming CO2 and a solid insoluble product with high melting point (polyurea).

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12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

Mobility in soil	
No	Product Name
1	JACKODUR Montagekleber
Remarks	
Cures in humidity; remains on the surface of the soil.	

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

Other adverse effects
The product reacts with water at the interface forming CO ₂ and a solid insoluble product with high melting point (polyurea). This reaction is greatly enhanced by interface active substances (e.g. liquid soaps) or water-soluble solvents. According to experience available so far, polyurea is inert and not degradable.

12.7 Other information

Other information
Do not discharge into surface waters/groundwater.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

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SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Observe employment restrictions for young people.

15.2 Chemical safety assessment

No data available.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H332 Harmful if inhaled.

Department issuing safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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Prod-ID 622327