

Trade name: JACKODUR® LIGNIN

Current version : 2.0.0, issued: 25.03.2025

Replaced version: 1.0.1, issued: 05.12.2024

Region: GB

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

1.1 Product identifier

Trade name

JACKODUR® LIGNIN

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

Relevant identified uses of the substance or mixture

Thermal insulation in civil engineering

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

Information provided by / telephone

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

Advice on Safety Data Sheet

info@jackodur.com

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification information

This product is an article in the sense of Article 3 of Regulation (EC) 1907/2006 (REACH) and is not subject to labelling according to Article 1, Regulation (EC) 1272/2008 (CLP).

Provision of a safety data sheet is not mandatory for articles according to Article 31 of Regulation (EC) 1907/2006 (REACH) and is done on a voluntary basis.

2.2 Label elements

Not relevant

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

Polymer foam made of polystyrene and lignin foamed with carbon dioxide; dimethyl ether and ethanol are used as processing aids.

Hazardous ingredients

This product does not contain substances to be mentioned according to EU Regulation No 1907/2006 (REACH), annex II.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

No special measures necessary.

After inhalation

No special measures necessary.

After skin contact

No special measures necessary.

After eye contact

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

After ingestion

Not relevant, due to the compact form of the product.

Trade name: JACKODUR® LIGNIN

Current version : 2.0.0, issued: 25.03.2025

Replaced version: 1.0.1, issued: 05.12.2024

Region: GB

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; Carbon dioxide; Extinguishing powder; 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 dioxide (CO₂); Carbon monoxide (CO); Combustion products of this material have to be classed invariably as respiratory poison.

5.3 Advice for firefighters

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. Ensure adequate ventilation.

For emergency responders

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

6.2 Environmental precautions

No special measures necessary.

6.3 Methods and material for containment and cleaning up

Collect mechanically. When collected, handle material as described under the section 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

No special measures necessary if stored and handled as prescribed. 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. Do not inhale vapours during thermal processing.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Store in a dry place. Protect from direct sunlight.

Requirements for storage rooms and vessels

No special measures required.

Incompatible products

None known

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No parameters available for monitoring.

8.2 Exposure controls

Appropriate engineering controls

Trade name: JACKODUR® LIGNIN

Current version : 2.0.0, issued: 25.03.2025

Replaced version: 1.0.1, issued: 05.12.2024

Region: GB

No data available.

Personal protective equipment**Respiratory protection**

No special measures required.

Eye / face protection

No special measures required.

Hand protection

No special measures required.

Other

No special measures required.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

State of aggregation			
solid			
Form			
compact form; sheet			
Colour			
brown; black			
Odour			
woody			
pH value			
No data available			
Boiling point / boiling range			
Not applicable			
Melting point/freezing point			
No data available			
Softening point / softening temperature			
Value	>	75	°C
Decomposition temperature			
Value	appr.	280	°C
Flash point			
No data available			
Ignition temperature			
Value	appr.	475	°C
Source	Literature value		
Flammability			
No data available			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
No data available			
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
Value	30	- 45	kg/m³
Reference temperature		20	°C
Solubility in water			
Reference temperature		20	°C
Comments	insoluble		
Solubility			

Trade name: JACKODUR® LIGNIN**Current version :** 2.0.0, issued: 25.03.2025**Replaced version:** 1.0.1, issued: 05.12.2024**Region:** GB

No data available

Partition coefficient n-octanol/water (log value)

No data available

Kinematic viscosity

No data available

Particle characteristics

No data available

9.2 Other information**Other information**

Fire behaviour: Euroclass E (EN 13501 -1)

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 > 75°C

10.5 Incompatible materials

organic solvents; oils

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

No data available

Acute dermal toxicity

No data available

Acute inhalational toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Reproduction toxicity

No data available

Carcinogenicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration hazard

No data available

Endocrine disrupting properties

No data available

Symptoms related to the physical, chemical and toxicological characteristics

Trade name: JACKODUR® LIGNIN**Current version :** 2.0.0, issued: 25.03.2025**Replaced version:** 1.0.1, issued: 05.12.2024**Region:** GB

Eye contact may cause mechanical irritation through dust particles.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

By appropriate use of the product no health damage is known.

11.2 Information on other hazards**Other information**

No data available.

SECTION 12: Ecological information**12.1 Toxicity****Toxicity to fish (acute)**

No data available

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)

No data available

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**Biodegradability****Product Name****JACKODUR® LIGNIN**

Evaluation

not degradable

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information**Other information**

Product is insoluble in water.

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.

Waste disposal in accordance with the regulations of the local authorities can either be incinerated or deposited with household garbage.

Packaging

Residues 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 UN number or ID number**

Not classified as dangerous in the meaning of transport regulations.

Trade name: JACKODUR® LIGNIN

Current version : 2.0.0, issued: 25.03.2025

Replaced version: 1.0.1, issued: 05.12.2024

Region: GB

- 14.2 UN proper shipping name**
Not classified as dangerous in the meaning of transport regulations.
- 14.3 Transport hazard class(es)**
Not classified as dangerous in the meaning of transport regulations.
- 14.4 Packing group**
Not classified as dangerous in the meaning of transport regulations.
- 14.5 Environmental hazards**
Not classified as dangerous in the meaning of transport regulations.
- 14.6 Special precautions for user**
No data available.
- 14.7 Maritime transport in bulk according to IMO instruments**
Not relevant

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 article 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, MIXTURES AND ARTICLES

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII 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.

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.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

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 section.

Creation of the safety data sheet

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

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.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 798164