

## SAFETY DATA SHEET

## FRICTION FLOOR LACQUER

## SECTION 1: Identification

## 1.1. Product identifier

## Trade name

FRICTION FLOOR LACQUER

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

## ▼ Relevant identified uses of the substance or mixture

Lacquering of wooden floors.

Restricted to professional users.

## Uses advised against

None known.

## 1.3. Details of the supplier of the safety data sheet

## Company and address

**Junckers Industrier A/S**

Vaerftsvej 4

4600 Koege

Denmark

Tel. +45 70 80 30 00

## E-mail

productsafety@junckers.dk

## SDS date

1/23/2024

## SDS Version

2.0

## Date of previous version

7/10/2023 (1.0)

## 1.4. Emergency telephone number

Contact the poison control at 1-800-222-1222 (24/7) or use the webPOISONCONTROL® ([trriage.webpoisoncontrol.org](https://www.webpoisoncontrol.org)) to get specific guidance for your case

See also section 4 "First aid measures".

## SECTION 2: Hazard(s) identification

## 2.1. Classification of the substance or mixture

Not classified according to HCS (29 CFR 1910.1200)

## 2.2. Label elements

## Hazard pictogram(s)

Not applicable.

## Signal word

Not applicable.

## ▼ Hazard statement(s)

## Precautionary statement(s)

## General

-

## Prevention

-

## Response

-

## Storage

-

## Disposal

-

**Additional labelling**

Not applicable.

**2.3. Other hazards**

▼ **Additional warnings**

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

**SECTION 3: Composition/Information on Ingredients**

**3.1. Substances**

Not applicable. This product is a mixture.

**3.2. Mixtures**

Product/substance	Identifiers	% w/w	Classification	Note
2-(2-Butoxyethoxy)ethanol	CAS No.: 112-34-5	3-5%	Eye Irrit. 2, H319	
2-Dimethylaminoethanol	CAS No.: 108-01-0	<1%	Flam. Liq. 3, H226 Acute Tox. 4, H302 (ATE: 1187.00 mg/kg) Acute Tox. 4, H312 (ATE: 1219.00 mg/kg) Skin Corr. 1B, H314 Eye Dam. 1, H318 Acute Tox. 3, H331 (ATE: 6.00 mg/L) STOT SE 3, H335 (SCL: 5.00 %)	

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

**Other information**

-

**SECTION 4: First-aid measures**

**4.1. ▼ Description of first aid measures**

**General information**

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

▼ **Inhalation**

In case of discomfort: bring the person into fresh air.

**Skin contact**

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

**Eye contact**

If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) and continue until irritation stops. Remove contact lenses.

▼ **Ingestion**

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

**Burns**

Not applicable.

**4.2. Most important symptoms and effects, both acute and delayed**

None known.

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

Treat symptomatically.

**Information to medics**

Bring this safety data sheet or the label from this product.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

### 5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the Poison Help Line on 1-800-222-1222 (24/7) in order to obtain further advice.

Fire fighters should wear appropriate personal protective equipment.

## SECTION 6: Accidental release measures

### 6.1. ▼ Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

### 6.3. Methods and material for containment and cleaning up

Use sand, sawdust, soil, vermiculite or similar to collect liquid material. Subsequently, place in a suitable waste container.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

### 7.2. Conditions for safe storage, including any incompatibilities

**Recommended storage material**

Always store in containers of the same material as the original container.

**Storage temperature**

> 5 °C

**Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No substances are listed with a permissible exposure limit (ref: 29 CFR 1910.1000 TABLE Z-1)

### 8.2. ▼ Exposure controls

Apply general control to prevent unnecessary exposure

**General recommendations**

Smoking, drinking and consumption of food is not allowed in the work area.

**Exposure scenarios**

There are no exposure scenarios implemented for this product.

**Exposure limits**

Occupational exposure limits have not been defined for the substances in this product.

Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

#### Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of vapours.

#### Hygiene measures

Wash hands after use.

#### Measures to avoid environmental exposure



No specific requirements.

#### Individual protection measures, such as personal protective equipment

##### Generally

Use only protective equipment with a recognized certification mark, e.g. the UL mark.


##### Respiratory Equipment

Work situation	Type	Class	Colour	Standards	
	Gas filter A	2 (medium capacity)	Brown	EN14387	
In case of spray application	Self contained breathing apparatus			EN137, EN139	


##### Skin protection

Work situation	Recommended	Type/Category	Standards	
	Dedicated work clothing should be worn	-	-	
In case of spray application	Protective suit with hood	-	-	

##### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	0,4	> 480	EN374-2, EN374-3, EN388	

##### Eye protection

Type	Standards	
Safety glasses with side shields	EN166	

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Liquid

#### Colour

Whitish

#### Odour

Faint

#### Odour threshold (ppm)

Testing not relevant or not possible due to the nature of the product.

#### pH

8-9

#### Density (g/cm<sup>3</sup>)

1,04

#### Kinematic viscosity

Testing not relevant or not possible due to the nature of the product.

## Phase changes

### Melting point (°F)

Testing not relevant or not possible due to the nature of the product.

### ▼ Softening point/range (waxes and pastes) (°F)

Does not apply to liquids.

### Boiling point (°F)

Testing not relevant or not possible due to the nature of the product.

### Vapour pressure

Testing not relevant or not possible due to the nature of the product.

### Relative vapour density

Testing not relevant or not possible due to the nature of the product.

### Decomposition temperature (°F)

Testing not relevant or not possible due to the nature of the product.

## Data on fire and explosion hazards

### Flash point (°F)

Testing not relevant or not possible due to the nature of the product.

### Flammability (°F)

Testing not relevant or not possible due to the nature of the product.

### Auto-ignition temperature (°F)

Testing not relevant or not possible due to the nature of the product.

### Explosion limits (% v/v)

Testing not relevant or not possible due to the nature of the product.

## Solubility

### Solubility in water

Soluble

### n-octanol/water coefficient (LogKow)

Testing not relevant or not possible due to the nature of the product.

### Solubility in fat (g/L)

Testing not relevant or not possible due to the nature of the product.

## 9.2. Other information

### VOC (g/L)

≤ 65

### Other physical and chemical parameters

No data available.

### Oxidizing properties

Testing not relevant or not possible due to the nature of the product.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Product/substance	2-Dimethylaminoethanol
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50

Result: 1187 mg/kg

Product/substance: 2-Dimethylaminoethanol  
 Test method: OECD 402  
 Species: Rabbit  
 Route of exposure: Dermal  
 Test: LD50  
 Result: 1219 mg/kg

Product/substance: 2-Dimethylaminoethanol  
 Test method: OECD 403  
 Species: Rat  
 Route of exposure: Inhalation  
 Test: LC50  
 Result: 6 mg/l

**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 sensitisation**

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

**Skin sensitisation**

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

**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.

**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.

**Aspiration hazard**

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

**Long term effects**

None known.

**Other information**

None known.

**SECTION 12: Ecological information**

**12.1. Toxicity**

No data available.

**12.2. ▼ Persistence and degradability**

Product/substance: 2-(2-Butoxyethoxy)ethanol  
 Result: 95 %  
 Conclusion: Readily biodegradable  
 Test: OECD 301 C

Product/substance: 2-Dimethylaminoethanol  
 Result: > 60 %  
 Conclusion: Readily biodegradable  
 Test: OECD 301 C

**12.3. ▼ Bioaccumulative potential**

Product/substance: 2-(2-Butoxyethoxy)ethanol  
 LogKow: 1  
 Conclusion: No potential for bioaccumulation

Product/substance: 2-Dimethylaminoethanol  
 BCF: 3,162  
 LogKow: -0,55

Conclusion: No potential for bioaccumulation

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

**12.6. Other adverse effects**

None known.

**SECTION 13: Disposal considerations**

**RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)**

None of the components are listed

**Specific labelling**

**Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

**SECTION 14: Transport information**

	<b>14.1</b>	<b>14.2</b>	<b>14.3</b>	<b>14.4</b>	<b>14.5</b>	<b>Other</b>
	<b>UN / ID</b>	<b>UN proper shipping name</b>	<b>Hazard class(es)</b>	<b>PG*</b>	<b>Env**</b>	<b>information:</b>
DOT	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

**Additional information**

Not dangerous goods according to DOT, IATA and IMDG.

**14.6. Special precautions for user**

Not applicable.

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

No data available.

**SECTION 15: Regulatory information**

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

**15.2. U.S. Federal regulations**

**TSCA (the non-confidential portion)**

2-(2-Butoxyethoxy)ethanol is listed

2-Dimethylaminoethanol is listed

**Clean Air Act**

None of the components are listed

**EPCRA Section 302**

None of the components are listed

**EPCRA Section 304**

None of the components are listed

**EPCRA section 313**

None of the components are listed

**CERCLA**

None of the components are listed

**State regulations**

**California / Prop. 65**

None of the components are listed

**Massachusetts / Right To Know Act**

2-Dimethylaminoethanol is listed

**New Jersey / Right To Know Act**

2-Dimethylaminoethanol / Substance number: 3111

2-Dimethylaminoethanol is on the Special Health Hazard Substance List

—  
[New York / Right To Know Act](#)

None of the components are listed

[Pennsylvania / Right To Know Act](#)

2-Dimethylaminoethanol is listed

—  
[15.4. Restrictions for application](#)

Restricted to professional users.

[15.5. Demands for specific education](#)

No specific requirements.

[15.6. Additional information](#)

Not applicable.

[15.7. Chemical safety assessment](#)

No

[15.8. Sources](#)

OSHA Hazard Communication Standard (29 CFR 1910.1200)

## SECTION 16: Other information

[Full text of H-phrases as mentioned in section 3](#)

H226, Flammable liquid and vapour.

H302, Harmful if swallowed.

H312, Harmful in contact with skin.

H314, Causes severe skin burns and eye damage.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H331, Toxic if inhaled.

H335, May cause respiratory irritation.

[The full text of identified uses as mentioned in section 1](#)

None known.

[Abbreviations and acronyms](#)

ACGIH = American Conference of Governmental Industrial Hygienists

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CERCLA = Comprehensive Environmental Response Compensation and Liability Act

DOT = Department of Transportation

EINECS = European Inventory of Existing Commercial chemical Substances

EPCRA = Emergency Planning and Community Right-To-Know Act

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

HCIS = Hazardous Chemical Information System

HNOC = Hazards Not Otherwise Classified

IARC = International Agency for Research on Cancer

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

NFPA = National Fire Protection Association

NIOSH = National Institute for Occupational Safety and Health

OECD = Organisation for Economic Co-operation and Development

OSHA = Occupational Safety and Health Administration

PBT = Persistent, Bioaccumulative and Toxic

RCRA = Resource Conservation and Recovery Act

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SARA = Superfund Amendments and Reauthorization Act

SCL = A specific concentration limit.

STEL = Short-term exposure limits

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure



STOT-SE = Specific Target Organ Toxicity - Single Exposure

TSCA = The Toxic Substances Control Act

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

In accordance with HCS (29 CFR 1910.1200(g)), a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information.

#### ▼ The safety data sheet is validated by

ULS

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: US-en