

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Junckers High Performance Friction+

**Product no.**

886

**REACH registration number**

Not applicable

**Other means of identification**

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

**Relevant identified uses of the substance or mixture**

Finishing of wood floors, interior. For professional users only.

**Uses advised against**

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The full text of any mentioned and identified use categories are given in section 16

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

**Company and address**

Junckers Industrier A/S  
Vaerftsvej 4  
DK-4600 Koege  
Tel.: +45 7080 3000

**Contact person**

Katja Hansen

**E-mail**

productsafety@junckers.dk

**SDS date**

08-07-2015

**SDS Version**

2.0

### 1.4. Emergency telephone number

Use your national or local emergency number  
See section 4 "First aid measures"

## SECTION 2: Hazards identification

### ▼2.1. Classification of the substance or mixture

This product is not classified as dangerous.

See full text of H-phrases in section 2.2.

### 2.2. Label elements

**Hazard pictogram(s)**

-

**Signal word**

-

**Hazard statement(s)**

-

**▼ Safety statement(s)**

General

Prevention

Response

Storage

Disposal

- Avoid breathing . (P261).

[In case of inadequate ventilation] wear respiratory protection. (P284).

-

-

-

**Identity of the substances primarily responsible for the major health hazards**

-

### ▼2.3. Other hazards

#### ▼Additional labelling

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. Safety data sheet available on request. (EUH210)

#### Additional warnings

-

#### VOC

VOC-MAX: 140 g/l, MAXIMUM VOC CONTENT (A (WB)): 140 g/l.

## SECTION 3: Composition/information on ingredients

### ▼3.1/3.2. Substances/Mixtures

NAME:	2-(2-butoxyethoxy)ethanol
IDENTIFICATION NOS.:	CAS-no: 112-34-5 EC-no: 203-961-6 REACH-no: 01-2119475104-44-xxxx Index-no: 603-096-00-8
CONTENT:	3-5%
CLP CLASSIFICATION:	Eye Irrit. 2 H319 S
NOTE:	S

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

S = Organic solvent

#### Other informations

ATEmix(inhale, vapour) > 20  
ATEmix(inhale, dust/mist) > 20000  
ATEmix(dermal) > 2000  
ATEmix(oral) > 2000  
Eye Cat. 2 Sum = Sum(Ci/S(G)CL) = 0,3208 - 0,4812  
Skin Cat. 2 Sum = Sum(Ci/S(G)CL) = 0 - 0

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### ▼General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.

#### ▼Inhalation

Get the person into fresh air and stay with them.

#### ▼Skin contact

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

#### ▼Eye contact

Remove contact lenses. Flush eyes immediately with plenty of water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. If irritation continues, contact a doctor.

#### ▼Ingestion

Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

#### Burns

Not applicable

### ▼4.2. Most important symptoms and effects, both acute and delayed

Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system. Symptoms of neurotoxicity can be: loss of appetite, headache, dizziness, whistling in the ears, tingling sensations in the skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

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

No special

### Information to medics

Bring this safety data sheet.

## SECTION 5: Firefighting measures

### ▼ 5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Water jets should not be used, since they can spread the fire.

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

If the product is exposed to high temperatures, as in the case of fire, dangerous catabolic substances are produced. These are: Nitrogen oxides. Carbon oxides. Fire will result in thick black smoke. Exposure to catabolic products can damage your health. Fire fighters should use proper protection gear. Closed containers, which are exposed to fire, should be cooled with water. Do not let fire-extinguishing water run into sewers and other water courses.

### ▼ 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact.

## SECTION 6: Accidental release measures

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

No specific requirements.

### 6.2. Environmental precautions

No specific requirements.

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

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

### 6.4. Reference to other sections

See section on "Disposal" with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

See section on 'Exposure controls/personal protection' for information on personal protection.

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

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

#### Storage temperature

Room temperature 18 to 23°C (Storage on stock, 3 to 8°C)

### ▼ 7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### OEL

2-(2-butoxyethoxy)ethanol (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): 10 ppm | 67.5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 15 ppm | 101.2 mg/m<sup>3</sup>

#### DNEL / PNEC

DNEL (2-(2-butoxyethoxy)ethanol): 10 ppm - Exposure: Inhalation - Duration: Long term - Remarks: Supplier ESDS

DNEL (2-(2-butoxyethoxy)ethanol): 5 mg/kg - Exposure: Inhalation - Duration: Long term - Remarks: Supplier ESDS

PNEC (2-(2-butoxyethoxy)ethanol): 0,1 mg/L - Exposure: Water - Duration: Continuous - Remarks: Supplier ESDS

PNEC (2-(2-butoxyethoxy)ethanol): 0,4 mg/L - Exposure: Soil - Duration: Continuous - Remarks: Supplier ESDS

### 8.2. Exposure controls

▼ Compliance with the stated exposure limits values should be checked on a regular basis.

#### General recommendations

▼ Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the

workroom.

**Exposure scenarios**

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

▼ **Exposure limits**

Trade users are covered by the rules of the working environment legislation on maximum concentrations for exposure. See work hygiene threshold values below.

▼ **Appropriate technical measures**

Airborne gas and dust concentrations must be kept as low as possible and below the current threshold values (see below). Use for example an exhaust system if the normal air flow in the work room is not sufficient. Make sure that eyewash and emergency showers are clearly marked.

▼ **Hygiene measures**

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

▼ **Measures to avoid environmental exposure**

No specific requirements.

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



▼ **Generally**

Use only CE marked protective equipment.

**Respiratory Equipment**

No specific requirements.

▼ **Skin protection**

Special work clothing should be used. When working with this product for a long period of time, use a protective suit.

**Hand protection**

Recommended: Nitrile rubber. . Breakthrough time: > 60 minutes (Class 3)

**Eye protection**

Use face shield. Use safety glasses with a side shield as an alternative.

**SECTION 9: Physical and chemical properties**

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

Form	Colour	Odour	pH	Viscosity	Density (g/cm3)
Liquid	White	Faint	7-8	-	1,03

**Phase changes**

Melting point (°C)	Boiling point (°C)	Vapour pressure (mm Hg)
-	100	-

**Data on fire and explosion hazards**

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
101	-	-

Explosion limits (Vol %)	Oxidizing properties
-	-

**Solubility**

Solubility in water	n-octanol/water coefficient
Soluble	-

**9.2. Other information**

Solubility in fat	Additional information
-	N/A

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available

**10.2. Chemical stability**

Hardening time: 24.

**10.3. Possibility of hazardous reactions**

No special

**10.4. Conditions to avoid**

Do not expose to heat (e.g. sunlight), because it can lead to excess pressure.

▼ **10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reductants 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**

Substance	Species	Test	Route of exposure	Result
2-(2-butoxyethoxy)ethanol	Rat	LD50	Oral	>2000 mg/kg
2-(2-butoxyethoxy)ethanol	Rabbit	LD50	Dermal	>2000 mg/kg

▼ **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.

**Carcinogenicity**

No data available.

**Reproductive toxicity**

No data available.

**STOT-single exposure**

No data available.

**STOT-repeated exposure**

No data available.

**Aspiration hazard**

No data available.

**Long term effects**

Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system. Symptoms of neurotoxicity can be: loss of appetite, headache, dizziness, whistling in the ears, tingling sensations in the skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Substance	Species	Test	Test duration	Result
2-(2-butoxyethoxy)ethanol	Fish	LC50	96 H	1300 mg/l
2-(2-butoxyethoxy)ethanol	Daphnia	EC50	14 H	2850 mg/l
2-(2-butoxyethoxy)ethanol	Algae	EC50	Akute	>100 mg/L

▼ **12.2. Persistence and degradability**

Substance	Biodegradability	Test	Result
2-(2-butoxyethoxy)ethanol	Yes	Modified OECD Screening Test	90-100%

**12.3. Bioaccumulative potential**

Substance	Potential bioaccumulation	LogPow	BFC
2-(2-butoxyethoxy)ethanol	No	0,56	No data available

**12.4. Mobility in soil**

2-(2-butoxyethoxy)ethanol: Log Koc= 0,521864, Calculated from LogPow (High mobility potential. ).

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

No data available

**12.6. Other adverse effects**

No special

**SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

This product is not covered by the regulations on dangerous waste.

#### Waste

EWC code

08 01 11

#### Specific labelling

-

#### ▼ Contaminated packing

No specific requirements.

## SECTION 14: Transport information

Not listed as dangerous goods under ADR and IMDG regulations.

### 14.1 – 14.4

#### ADR/RID

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

Notes

Tunnel restriction code

#### IMDG

UN-no.

Proper Shipping Name

Class

PG\*

EmS

MP\*\*

Hazardous constituent

#### ▼ IATA/ICAO

UN-no.

Proper Shipping Name

Class

PG\*

### 14.5. Environmental hazards

-

### 14.6. Special precautions for user

-

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

(\*) Packing group

(\*\*) Marine pollutant

## SECTION 15: Regulatory information

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

#### ▼ Restrictions for application

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC.

#### Demands for specific education

-

#### Additional information

#### Sources

EC regulation 1907/2006 (REACH)

Directive 2000/532/EC

EC Regulation 1272/2008 (CLP)

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

### ▼ Full text of H-phrases as mentioned in section 3

H319 - Causes serious eye irritation.

### The full text of identified uses as mentioned in section 1

-

### Other symbols mentioned in section 2

-

### Other

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.

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.

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

### The safety data sheet is validated by

Admin

### Date of last essential change (First cipher in SDS version)

27-06-2013

### Date of last minor change (Last cipher in SDS version)

08-07-2015