

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Junckers Pro Finish

**Product no.**

295

**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. Private use: Do not use in paint spraying equipment.  
The full text of any mentioned and identified application 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 5665 1895

**Contact person**

A. Gottlieb

**E-mail**

productsafety@junckers.dk

**SDS date**

02-11-2011

**SDS Version**

1.0

### 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.

### 2.2. Label elements

**Hazard pictogram(s)**

-

**Hazard statement(s)**

-

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

<b>Safety statement(s)</b>	General	-
	Prevention	-
	Response	-
	Storage	-
	Disposal	-

### 2.3. Other hazards

This product contains an organic solvent. Repeated exposure to organic solvents can result in damage to the nervous system and inner organs, such as the liver and kidneys.

According to EC-Regulation 1907/2006 (REACH)

#### Additional labelling

Safety data sheet available on request.

#### Additional warnings

-

#### VOC

VOC-MAX: 140 g/l, MAXIMUM VOC CONTENT (Phase II, i (WB)): 140 g/l.

### SECTION 3: Composition/information on ingredients

#### 3.1/3.2. Substances

NAME: (2-methoxymethylethoxy)propanol  
IDENTIFICATION NOS.: CAS-no: 34590-94-8 EC-no: 252-104-2 REACH-no: 01-2119450011-60-xxxx  
CONTENT: 1-5%  
DSD CLASSIFICATION: -  
CLP CLASSIFICATION: -  
NOTE: S

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: 1-5%  
DSD CLASSIFICATION: Xi;R36  
CLP CLASSIFICATION: Eye Irrit. 2  
H319  
NOTE: S

NAME: 1-ethylpyrrolidin-2-one  
IDENTIFICATION NOS.: CAS-no: 2687-91-4 EC-no: 220-250-6  
CONTENT: 1-5%  
DSD CLASSIFICATION: Xi;R41  
CLP CLASSIFICATION: Eye Dam. 1  
H318

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

S = Organic solvent

#### Other informations

### 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. The doctor can contact the Work Environment Medical Clinic at Bispebjerg Hospital, tlf. 35 31 60 60  
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

According to EC-Regulation 1907/2006 (REACH)

Rinse with water until the pain stops and continue for 30 minutes.

#### **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**

Avoid inhalation of vapours from waste material.

#### **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. 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.

#### **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

#### **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**

According to EC-Regulation 1907/2006 (REACH)

## 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>

(2-methoxymethylethoxy)propanol (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): 50 ppm | 308 mg/m<sup>3</sup>

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

Comments: Sk (Sk = Can be absorbed through skin. )

## DNEL / PNEC

DNEL ((2-methoxymethylethoxy)propanol): 65 mg/kg/day - Exposure: Dermal - Duration: Long term - Remarks: Workers value - Supplier ESDS

DNEL ((2-methoxymethylethoxy)propanol): 310 mg/m<sup>3</sup> - Exposure: Inhalation - Duration: Long term - Remarks: Supplier ESDS

DNEL ((2-methoxymethylethoxy)propanol): 15 mg/kg/day - Exposure: Dermal - Duration: Long term - Remarks: Population - Supplier ESDS

DNEL ((2-methoxymethylethoxy)propanol): 37,2 mg/m<sup>3</sup> - Exposure: Inhalation - Duration: Long term - Remarks: Population - Supplier ESDS

DNEL ((2-methoxymethylethoxy)propanol): 1,67 mg/kg/day - Exposure: Oral - Duration: Long term - Remarks: Population - Supplier ESDS

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

Only CE-marked personal protection equipment should be used.

### Respiratory Equipment

If the ventilation at the work place is not sufficient, use a half or whole mask with an appropriate filter or an air-supplied respiratory protector. The choice depends on the concrete work situation and how long you will be using the product.

### Skin protection

No specific requirements.

### Hand protection

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

According to EC-Regulation 1907/2006 (REACH)

### 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/cm <sup>3</sup> )
Liquid	White	Faint	8-9	-	1,04

### 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

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

### 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 oxidising agents, and strong catabolic 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-methoxymethylethoxy)propano...	Rat	LD50	Oral	>4000 mg/kg
(2-methoxymethylethoxy)propano...	Rabbit	LD50	Dermal	9510 mg/kg
(2-methoxymethylethoxy)propano...	Rat	LD50	Oral	>2000 mg/kg
2-(2-butoxyethoxy)ethanol	Rabbit	LD50	Dermal	>2000 mg/kg
2-(2-butoxyethoxy)ethanol	Rat	LD50	Oral	3200 mg/kg
1-ethylpyrrolidin-2-one				

#### 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.

According to EC-Regulation 1907/2006 (REACH)

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	Species	Test	Test duration	Result
(2-methoxymethylethoxy)propano...	Fish	LC50	96H	10000 mg/L
(2-methoxymethylethoxy)propano...	Daphnia	EC50	48H	1919 mg/L
(2-methoxymethylethoxy)propano...	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
2-(2-butoxyethoxy)ethanol				

### 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

The product is covered by the regulations on dangerous waste.

#### Waste

EWC code

08 01 11

#### Specific labelling

-

#### Contaminated packing

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

## SECTION 14: Transport information

Not listed as dangerous goods under ADR and IMDG regulations.

### 14.1 – 14.4

ADR/RID	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Notes		
IMDG	UN-no.	Proper Shipping Name	Class	PG	EmS	MP	Hazardous constituent

### 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

## 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. For exceptions, see the Danish Working Environment Authority's Executive Order No. 239 of 6 April 2005.

#### Demands for specific education

-

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

### Sources

EC regulation 1907/2006 (REACH)  
Directive 2000/532/EC  
EC Regulation 1272/2008 (CLP)

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

R36 - Irritating to eyes.  
R41 - Risk of serious damage to eyes.  
H318 - Causes serious eye damage.  
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)

-

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

-