

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Junckers HP-High Performance-HP SportsLine Hardener - All versions

**Product no.**

980

**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.

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**

02-07-2012

**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

Harmful.

### 2.2. Label elements

#### ▼ Hazard pictogram(s)



#### ▼ Hazard statement(s)

Harmful by inhalation. (R20)

Irritating to respiratory system. (R37)

May cause sensitisation by skin contact. (R43)

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. (R52/53)

#### ▼ Identity of the substances primarily responsible for the major health hazards

Hydrophilic, alifatic polyisocyanate

#### ▼ Safety General -

According to EC-Regulation 1907/2006 (REACH)

<b>statement(s)</b>	Avoid release to the environment. Refer to special instructions/safety data sheets.
<b>Prevention</b>	Wear suitable gloves. Do not empty into drains. Avoid contact with skin. Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
<b>Response</b>	If swallowed, seek medical advice immediately and show this container or label.
<b>Storage</b>	-
<b>Disposal</b>	Dispose of this material and its container to hazardous or special waste collection point.

### 2.3. Other hazards

#### Additional labelling

Contains isocyanates. See information supplied by the manufacturer.

#### Additional warnings

-

#### VOC

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

## SECTION 3: Composition/information on ingredients

### 3.1/3.2. Substances

NAME:	Hydrophilic, alifatic polyisocyanate
IDENTIFICATION NOS.:	CAS-no: 160994-68-3
CONTENT:	60-80%
DSD CLASSIFICATION:	Xn;R20 Xi;R37 R43 R52/53
CLP CLASSIFICATION:	Acute Tox. 4, STOT SE 3, Skin Sens. 1, Aquatic Chronic 3 H317, H332, H335, H412
NOTE:	P

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

P = Prepolymer isocyanate

#### 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 injured person into fresh air. Make sure there is always someone with the injured person. Prevent shock by keeping the injured person warm and calm. If the person stops breathing, give mouth-to-mouth resuscitation. If unconscious, roll the injured person onto side with the top leg bent at both knee and hip. Call an ambulance.

#### 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

According to EC-Regulation 1907/2006 (REACH)

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**

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

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

Sensitivity effects: This product contains substances which can give an allergic reaction on contact with skin. The allergic reaction will typically set in 12-72 hours after exposure as the substance penetrates the skin and reacts with proteins in the outer skin. The body's immune system sees the chemically changed protein as a foreign body and will try to destroy it.

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as 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 direct contact with spilled substances. Avoid inhalation of vapours from waste material.

#### **6.2. Environmental precautions**

Consider putting up waste collecting trays/basins to prevent leakage to the surroundings. Avoid discharge to lakes, streams, sewers, etc. In the event of a leakage to the surroundings, contact the local environmental authorities.

#### **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**

Consider putting up waste collecting trays/basins to prevent leakage to the surroundings. See section on 'Exposure controls/personal protection' for information on personal protection.

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

According to EC-Regulation 1907/2006 (REACH)

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**

No data available

**DNEL / PNEC**

No data available.

**8.2. Exposure controls**

No control is necessary if the product is used in a normal way.

**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**

There are no maximum exposure limits for the substances contained in this product.

**Appropriate technical measures**

Take ordinary precautions when using the product. Avoid inhalation of gas or dust.

**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**

Special work clothing should be used.

**Hand protection**

Recommended: Nitrile rubber. . : > 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/cm <sup>3</sup> )
Liquid	Clear	Mild	-	-	1,06
<b>Phase changes</b>					
Melting point (°C)		Boiling point (°C)		Vapour pressure (mm Hg)	
-		175		-	

According to EC-Regulation 1907/2006 (REACH)

#### Data on fire and explosion hazards

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
61	-	-
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
Hydrophilic, alifatic polyisocy...	Rat	LD50	Oral	746 mg/kg

##### ▼ Long term effects

Sensitivity effects: This product contains substances which can give an allergic reaction on contact with skin. The allergic reaction will typically set in 12-72 hours after exposure as the substance penetrates the skin and reacts with proteins in the outer skin. The body's immune system sees the chemically changed protein as a foreign body and will try to destroy it.

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Substance	Species	Test	Test duration	Result
No data available.				

#### 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
No data available.			

#### 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BFC
No data available.			

#### 12.4. Mobility in soil

No data available

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

No data available

According to EC-Regulation 1907/2006 (REACH)

### 12.6. Other adverse effects

This product contains substances which can cause undesirable long-term effects in the water environment, due to its poor biodegradability.

## 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

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

#### Demands for specific education

The user of this product must have taken special training in working with polyurethane and epoxy products.

### 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

According to EC-Regulation 1907/2006 (REACH)

R20 - Harmful by inhalation.  
R37 - Irritating to respiratory system.  
R43 - May cause sensitisation by skin contact.  
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
H317 - May cause an allergic skin reaction.  
H332 - Harmful if inhaled.  
H335 - May cause respiratory irritation.  
H412 - Harmful to aquatic life with long lasting effects.

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

**Other symbols mentioned in section 2**

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**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)**

22-06-2012

**Date of last minor change**

**(Last cipher in SDS version)**

02-07-2012