

MATERIAL SAFETY DATA SHEET

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1. Identification of the preparation and company.		Date of issue: 12-12-2007
Product name and/or code: Junckers High Performance/HP (All versions)		Replaces: 06-11-2007
Company name, full address and telephone number: Junckers Industrier A/S Vaerftsvej 4 DK-4600 Koege Denmark Telephone: Int + 45 56 65 18 95 Email: teknik@junckers.dk		Emergency phone number: Junckers Industrier A/S Vaerftsvej 4 DK-4600 Køge Phone: Int + 45 56 65 18 95
Product type: Waterborne copolymer	Additional component: Junckers High Performance Hardener	Intended use: Coating of interior wood

2. Hazards identification.

The product is not classified as dangerous according to the EC Directive 1999/45/EC.

The following must be considered:

Keep out of reach of children.

If swallowed, seek medical advice immediately and show this container or label.

3. Composition/Information on ingredients

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substance Directive 67/548/EEC.

Name	EINECS-no.	Conc. (%)	Symbol	R-phrases (*)
N-methyl-2-pyrrolidone	212-828-1	2,5 - 10	Xi	36/38
Paraffins (petroleum), normal C>10	265-232-9	1 - 2,5	Xn	65-66

(*) for full text see Section 16.

4. First aid measures.

General:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation:	Remove to fresh air, keep the patient warm and at rest. If breathing has stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in the recovery position and seek medical advice.
Eye contact:	Remove contact lenses. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.
Skin contact:	Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion:	If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting.

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5. Fire-fighting measures.

Extinguishing media:

Recommended: Alcohol resistant foam, CO2 powder, water spray.

Not to be used: Water jet.

Recommendations:

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Appropriate breathing apparatus may be required.

Cool closed containers exposed to fire with water.

Do not allow run-off from fire fighting to enter drains or water courses.

6. Accidental release measures.

Exclude sources of ignition and ventilate the area. Avoid breathing vapours.

Refer to protective measures listed in sections 7 and 8.

Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

Do not allow to enter drains or water courses.

Clean preferably with a detergent; avoid the use of solvents.

If the product contaminates lakes, rivers or sewers, inform appropriate authorities in accordance with local regulations.

7. Handling and storage.

Handling:

Keep container tightly closed.

Avoid skin and eye contact.

Avoid inhalation of vapour and spray mist.

Smoking, eating and drinking should be prohibited in application area.

For personal protection see Section 8.

Never use pressure to empty : container is not a pressure vessel.

Always keep in containers of same material as the original one.

Comply with the health and safety at work laws.

Storage:

Store in accordance with local regulations.

Store between 5 and 25°C in a dry, well ventilated place away from sources of heat and direct sunlight.

Keep away from sources of ignition.

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. No smoking. Prevent unauthorized access.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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8. Exposure controls/Personal protection.

Engineering Measures:

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the OEL, suitable respiratory protection must be worn.

Occupational exposure limits (OEL):

Substance	ppm	mg/m ³	Substance	ppm	mg/m ³
*Methyl-2-pyrrolidone	50	200	*Paraffins (petroleum), normal C>10	25	-

Those marked '**' are assigned by the supplier of the substance.

'Sk' indicates a risk of absorption through the skin. 'Sen' indicates a respiratory sensitizer.

Personal protection:

Respiratory protection:	If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.
Hand protection:	Use PE/EVA/PE gloves (4H). Barrier (=wearing) time: 4 hours. Dispose immediately after use. See manufacturers recommendations. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.
Eye protection:	Use safety eyewear designed to protect against splash of liquids.
Skin protection:	Personnel should wear anti-static clothing, made of natural fibre or of high temperature resistant synthetic fibre.

9. Physical and chemical properties.

	Product	Mixture		Product	Mixture
Physical state	Liquid	Liquid	Explosion limit, lower (vol%) :	-	0,8
Flash point, °C:	> 100	> 62	Organic solvents % (w/w):	Approx. 10	Approx. 15
Specific gravity, kg/l:	1,03	1,03	VOC		140
Solubility in water:	Miscible	Miscible	pH:	7 - 9	7 - 9

10. Stability and reactivity.

Stable under the recommended storage and handling conditions. (See section 7). When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

Keep away from oxidising agents, strongly alkaline and strongly acidic materials in order to avoid exothermic reaction.

11. Toxicological information.

The preparation has been assessed following the conventional method of the Dangerous Preparative Directive 1999/45/EC and not classified.

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

The liquid splashed in the eyes may cause irritation and reversible damage.

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12. Ecological information.

The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

13. Disposal considerations.

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using the information provided in this safety data sheet, advice should be obtained from the Waste Regulation Authority whether the special waste regulations apply.

14. Transport information.

The product is not classified as dangerous for carriage.

ADR/RID:

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IMDG:

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IATA:

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15. Regulatory information.

Limitations for use: Not to be used by persons under 18 years of age.

In accordance with EC Directive 1999/45/EC the product is labelled as follows:

Symbol: -

Contains: -

Risk-phrases: -

Safety-phrases: -

Others: Safety data sheet available for professional user on request.

16. Other information.

Full text of R-phrases with no. Appearing in section 2:

R36/38: Irritating to eyes and skin.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

The information in this Safety Data Sheet is required pursuant to the EC Directive 91/155/EC.

The information of this safety data sheet is based on the present state of knowledge and on current EU and national laws.

The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction.

It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation.

The information in this safety data sheet is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the products' properties.