

# MATERIAL SAFETY DATA SHEET

1/4

<b>1. Identification of the preparation and company.</b>		Date of issue: 11-07-2003
Product name and/or code: <b>Junckers STRONG</b>		Replaces: 01-07-1999
Company name, full address and telephone number:  Junckers Industrier A/S Vaerftsvej 4 DK-4600 Koege Denmark Telephone: Int + 45 56 65 18 95		Emergency phone number:  Junckers Industrier A/S Værftsvej 4 DK-4600 Køge Phone: Int + 45 56 65 18 95
Product type: Waterbased copolymer	Additional component: -	Intended use: Coating of interior wood.

<b>2. Composition/Information on ingredients</b> 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 (*)
2-(2-ethoxyethoxy)ethanol	203-919-7	2,5-10	Xi	36
1-methyl-2-pyrrolidone	212-828-1	2,5-10	Xi	36/38

(\*) for full text see Section 16.

<b>3. Hazards identification.</b>
The product is not classified as dangerous according to the EC Directive 1999/45/EC.
<b>The following must be considered:</b> Keep out of reach of children. If swallowed, seek medical advice immediately and show this container or label.

<b>4. First aid measures</b>	
<b>General:</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b>	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.
<b>Eye contact:</b>	Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
<b>Skin contact:</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
<b>Ingestion:</b>	If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

# MATERIAL SAFETY DATA SHEET

2/4

## 5. Fire fighting measures.

### Extinguishing media:

Recommended: Alcohol resistant foam, CO<sub>2</sub>, 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.

Refer to protective measures listed in sections 7 and 8.

Contain and collect spillage 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 watercourses.

Clean preferably with a detergent; avoid use of solvents.

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

## 7. Handling and storage.

### Handling:

Keep container tightly closed.

Avoid skin and eye contact. Avoid the inhalation of particulates and spray mist arising from the application of this preparation. Avoid inhalation of dust from sanding. Smoking, eating and drinking should be prohibited in application area. Comply with the health and safety at work laws.

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

For personal protection see Section 8.

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

### 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.

# MATERIAL SAFETY DATA SHEET

3/4

8. Exposure controls/Personal protection.					
<b>Engineering Measures:</b> 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 solvent vapour below the OEL, suitable respiratory protection must be worn.					
<b>Exposure Limits.</b>					
<b>Occupational exposure limit for:</b>					
Substance	ppm	mg/m <sup>3</sup>	Substance	ppm	mg/m <sup>3</sup>
*1-methyl-2-pyrrolidone	5	20			
Those marked '*' are assigned by the supplier of the substance. 'Sk' indicates a risk of absorption through the skin. 'Sen' indicates a respiratory sensitiser.					
<b>Personal protection:</b>					
<b>Respiratory protection:</b>	If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.				
<b>Hand protection:</b>	Use rubber latex gloves. Barrier (=wearing) time: 1 hour. 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.				
<b>Eye protection:</b>	Use safety eyewear designed to protect against splash of liquids.				
<b>Skin protection:</b>	Personnel should wear protective clothing.				

9. Physical and chemical properties.			
Physical state:	Liquid	Explosion limit, lower (vol%) :	-
Flash point, °C:	> 100	Organic solvents % (w/w):	Approx. 10
Specific gravity, kg/l:	Approx. 1	Water %:	Approx. 55
Solubility in water:	Dispersible	pH:	Approx. 8

10. Stability and reactivity.
Stable under 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 etc.. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

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

# MATERIAL SAFETY DATA SHEET

4/4

## 12. Ecological information.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment, but contains substances dangerous for the environment.

The product should not be allowed to enter drains or water courses.

## 13. Disposal considerations.

Do not allow into drains or water courses.

Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with waste regulations.

Waste code: 0801 0300.

## 14. Transport information.

The product is not classified as dangerous for carriage.

ADR/RID:

-

IMDG:

-

IATA:

-

## 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: Irritating to eyes.

R36/38: Irritating to eyes and skin.

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

The information of this SDS is based on the present state of our 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 SDS 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.