SAFETY DATA SHEET

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

1.1. Product identifier

Trade name
Junckers Professional 625
Product no.
625
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
Coating of wood indoors
Uses advised against
-
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
A. Gottlieb
E-mail
productsafety@junckers.dk
SDS date
26-06-2013
SDS Version
3.0

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

Eye Dam. 1, Flam. Liq. 3 // H318, H226
See full text of H/R-phrases in section 2.2.
DPD/DSD Classification
Irritant. (Xi).
Vapours may cause drowsiness and dizziness.(R67). Irritating to eyes.(R36). Flammable.(R10).

2.2. Label elements

Hazard pictogram(s)

Signal word

Danger!

Hazard statement(s)

Flammable liquid and vapour. (H226)
Causes serious eye damage. (H318)

Identity of the substances primarily responsible for the major health hazards

2-methylpropan-1-ol

Safety statement(s)	General	-
	Prevention	Wear protective gloves/protective clothing/eye protection/face protection. (P280) Keep away from heat/sparks/open flames/hot surfaces. — No smoking. (P210)
	Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338) Immediately call a POISON CENTER or doctor/physician. (P310)
	Storage	Store in a well-ventilated place. Keep cool. (P403+P235)
	Disposal	Dispose of contents/container to an approved waste disposal plant. (P501)

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.

Additional labelling

-Contains formaldehyde. May produce an allergic reaction.

Additional warnings

-

VOC

VOC-MAX: 400 g/l, MAXIMUM VOC CONTENT (A (SB)): 500 g/l.

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances

NAME:	ethanol
IDENTIFICATION NOS.:	CAS-no: 64-17-5 EC-no: 200-578-6 Index-no: 603-002-00-5
CONTENT:	15-25%
DSD CLASSIFICATION:	F; R11
CLP CLASSIFICATION:	Flam. Liq. 2 H225
NOTE:	S

NAME:	n-butyl acetate
IDENTIFICATION NOS.:	CAS-no: 123-86-4 EC-no: 204-658-1 Index-no: 607-025-00-1
CONTENT:	5-15%
DSD CLASSIFICATION:	R10 R66 R67
CLP CLASSIFICATION:	STOT SE 3 H226, H336
NOTE:	S

NAME:	1-methoxypropan-2-ol
IDENTIFICATION NOS.:	CAS-no: 107-98-2 EC-no: 203-539-1 REACH-no: 01-2119457435-35 Index-no: 603-064-00-3
CONTENT:	5-15%
DSD CLASSIFICATION:	R10 R67
CLP CLASSIFICATION:	Flam. Liq. 3, STOT SE 3 H226, H336
NOTE:	S

NAME:	2-methylpropan-1-ol
IDENTIFICATION NOS.:	CAS-no: 78-83-1 EC-no: 201-148-0 Index-no: 603-108-00-1
CONTENT:	5-15%
DSD CLASSIFICATION:	R10 Xi; R37/38-41 R67
CLP CLASSIFICATION:	Skin Irrit. 2, Eye Dam. 1, STOT SE 3 H226, H315, H318, H335, H336
NOTE:	S

NAME:	propan-2-ol
IDENTIFICATION NOS.:	CAS-no: 67-63-0 EC-no: 200-661-7 Index-no: 603-117-00-0
CONTENT:	1-5%
DSD CLASSIFICATION:	F; R11 Xi; R36 R67
CLP CLASSIFICATION:	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3 H225, H319, H336
NOTE:	S

NAME:	cyclohexanone
IDENTIFICATION NOS.:	CAS-no: 108-94-1 EC-no: 203-631-1 Index-no: 606-010-00-7
CONTENT:	1-5%
DSD CLASSIFICATION:	R10 XN;R20
CLP CLASSIFICATION:	Acute tox. 4 H226, H332
NOTE:	S

NAME:	xylene
IDENTIFICATION NOS.:	CAS-no: 1330-20-7 EC-no: 215-535-7 Index-no: 601-022-00-9
CONTENT:	1-5%
DSD CLASSIFICATION:	R10 XN;R20/21 XI;R38
CLP CLASSIFICATION:	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2 H226, H312, H315, H332
NOTE:	S

(*) 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. 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 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. Contact a doctor at once.

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

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.
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

IF exposed or concerned:
Get immediate medical advice/attention.

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. Avoid direct contact with spilled substances. Stores that have not ignited must be cooled by water mist. Where possible, remove flammable materials. Make sure there is sufficient ventilation.

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

Smoking, consumption of food or liquid, and storage of tobacco, food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Must be stored in a cool and ventilated area, away from possible sources of combustion.

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

OEL

xylene (EH40/2005)
Long-term exposure limit (8-hour TWA reference period): 50 ppm | 220 mg/m3
Short-term exposure limit (15-minute reference period): 100 ppm | 441 mg/m3
Comments: Sk BMGV (Bmgv = Biological Monitoring Guidance Value. Sk = Can be absorbed through skin.)

cyclohexanone (EH40/2005)
Long-term exposure limit (8-hour TWA reference period): 10 ppm | - mg/m3
Short-term exposure limit (15-minute reference period): 20 ppm | - mg/m3
Comments: Sk BMGV (Bmgv = Biological Monitoring Guidance Value. Sk = Can be absorbed through skin.)

propan-2-ol (EH40/2005)
Long-term exposure limit (8-hour TWA reference period): 400 ppm | 999 mg/m3
Short-term exposure limit (15-minute reference period): 500 ppm | 1250 mg/m3

2-methylpropan-1-ol (EH40/2005)
Long-term exposure limit (8-hour TWA reference period): 50 ppm | 154 mg/m3
Short-term exposure limit (15-minute reference period): 75 ppm | 231 mg/m3

1-methoxypropan-2-ol (EH40/2005)
Long-term exposure limit (8-hour TWA reference period): 100 ppm | 375 mg/m3
Short-term exposure limit (15-minute reference period): 150 ppm | 560 mg/m3
Comments: Sk (Sk = Can be absorbed through skin.)

n-butyl acetate (EH40/2005)
Long-term exposure limit (8-hour TWA reference period): 150 ppm | 724 mg/m3
Short-term exposure limit (15-minute reference period): 200 ppm | 966 mg/m3

ethanol (EH40/2005)
Long-term exposure limit (8-hour TWA reference period): 1000 ppm | 1920 mg/m3
Short-term exposure limit (15-minute reference period): - ppm | - mg/m3

DNEL / PNEC

DNEL (1-methoxypropan-2-ol): 553,5 mg/m3 - Exposure: Inhalation - Duration: Long term - Remarks: Industry
DNEL (1-methoxypropan-2-ol): 50,6 mg/kg/day - Exposure: Dermal - Duration: Long term - Remarks: Industry

PNEC (n-butyl acetate): 1,18 mg/l - Exposure: Water - Duration: Continuous - Remarks: Freshwater - Supplier MSDS
PNEC (n-butyl acetate): 0,0903 mg/kg - Exposure: Soil - Duration: Continuous - Remarks: Supplier MSDS
PNEC (n-butyl acetate): 0,36 mg/l - Exposure: Water - Duration: Single - Remarks: Supplier MSDS

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.

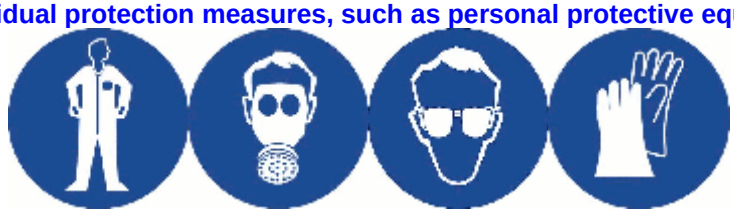
Hygiene measures

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

Keep damming materials near the workplace. If possible collect spillage during work.

Individual protection measures, such as personal protective equipment



Generally
Only CE-marked personal protection equipment should be used.

Respiratory Equipment
Recommended: AX, -, Brown

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: Neoprene. . 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	Tan	Alcohol odor	-	-	0,9

Phase changes

Melting point (°C)	Boiling point (°C)	Vapour pressure (mm Hg)
-	78	-

Data on fire and explosion hazards

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
23	-	-

Explosion limits (Vol %)	Oxidizing properties
-	-

Solubility

Solubility in water	n-octanol/water coefficient
Insoluble	-

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
Avoid static electricity. 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
ethanol	Rat	LD50	Oral	7060 mg/kg
1-methoxypropan-2-ol	Rat	LD50	Oral	4016 mg/kg
1-methoxypropan-2-ol	Rat	LD50	Dermal	>2000 mg/kg
n-butyl acetate	Rat	LD50	Oral	14000 mg/l
propan-2-ol	Rat	LD50	Oral	5045 mg/l

Skin corrosion/irritation
No data available.

Serious eye damage/irritation
Causes serious eye damage.
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.
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
1-methoxypropan-2-ol	Fish	LC50	96 H	6812 mg/ltr
1-methoxypropan-2-ol	Daphnia	EC50	48 H	>21000 mg/ltr

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
No data available.			

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BFC
ethanol	No	No data available	3,2
1-methoxypropan-2-ol	No	0,37	No data available
n-butyl acetate	No	No data available	4,7
propan-2-ol	No	5	3,2

12.4. Mobility in soil
1-methoxypropan-2-ol: Log Koc= 0,371403, Calculated from LogPow (High mobility potential.). propan-2-ol: Log Koc= 4,0379, Calculated from LogPow (Low 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

This product is covered by the conventions on dangerous goods.

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
	1263		3		III		(D/E)
IMDG	**UN-no.**	**Proper Shipping Name**	**Class**	**PG***	**EmS**	**MP****	**Hazardous constituent**
	1263	PAINT	3	III	F-E, S-E	-	-

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

-

Additional information

-

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

R10 - Flammable.
R11 - Highly flammable.
R20 - Harmful by inhalation.
R36 - Irritating to eyes.
R38 - Irritating to skin.
R41 - Risk of serious damage to eyes.
R66 - Repeated exposure may cause skin dryness or cracking.
R67 - Vapours may cause drowsiness and dizziness.
R20/21 - Harmful by inhalation and in contact with skin.
R37/38 - Irritating to respiratory system and skin.
H225 - Highly flammable liquid and vapour.
H226 - Flammable liquid and vapour.
H312 - Harmful in contact with skin.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H335 - May cause respiratory irritation.
H336 - May cause drowsiness or dizziness.

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)

10-01-2012

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

26-06-2013