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

## · Product identifier

· Trade name: 4CR 2625 NC-Kombispachtel

- $\cdot$  Relevant identified uses of the substance or mixture and uses advised against
- · Application of the substance / the preparation Knife filler/ Surfacer

 $\cdot$  Details of the supplier of the safety data sheet

Manufacturer/Supplier: 4CR Vertriebsgesellschaft mbH Donaustraβe 2
94469 Deggendorf Tel.: +49 (0) 4841/665015
Fax: +49 (0) 4841/665016
e-Mail: order@4cr.de
Emergency telephone number: +49(0)700 24112112 (CRM)

# 2 Hazards identification

· Classification of the substance or mixture

· Classification according to Directive 67/548/EEC or Directive 1999/45/EC

R10-67: Flammable. Vapours may cause drowsiness and dizziness.

• Information concerning particular hazards for human and environment: The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. Has a narcotizing effect.

· Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

#### · Label elements

· Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· Risk phrases:

10 Flammable.

67 Vapours may cause drowsiness and dizziness.

- · Safety phrases:
- 2 Keep out of the reach of children.
- 25 Avoid contact with eyes.
- 43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water. 46 If swallowed, seek medical advice immediately and show this container or label.
- · Other hazards
- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.

# 3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

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· Dangerous compone	ents:	
CAS: 123-86-4	n-butyl acetate	<20.0%
EINECS: 204-658-1	R10-66-67	
	🚸 Flam. Liq. 3, H226; 🚸 STOT SE 3, H336	
CAS: 108-65-6	2-methoxy-1-methylethyl acetate	2.5-10%
EINECS: 203-603-9	R10	
	🚸 Flam. Liq. 3, H226	
CAS: 67-63-0	propan-2-ol	2.5-10%
EINECS: 200-661-7	🗙 Xi R36; 🍓 F R11	
	<u>R6</u> 7	
	🚸 Flam. Liq. 2, H225; 🐠 Eye Irrit. 2, H319; STOT SE 3, H336	
· Additional information	on: For the wording of the listed risk phrases refer to section 16.	·

# 4 First aid measures

· Description of first aid measures

- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- · After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

# **5** Firefighting measures

- · Extinguishing media
- Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
- · For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: No special measures required.

# 6 Accidental release measures

- *Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.*
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- *Methods and material for containment and cleaning up:* Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Do not flush with water or aqueous cleansing agents
- · Reference to other sections
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

# 7 Handling and storage

# · Handling:

• Precautions for safe handling Store in cool, dry place in tightly closed receptacles.

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· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

· Conditions for safe storage, including any incompatibilities

· Storage:

- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Keep container tightly sealed.
- · Storage class: 3
- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

• Additional information about design of technical facilities: No further data; see item 7.

· Control parameters

· Ingredients with limit values that require monitoring at the workplace:

# 123-86-4 n-butyl acetate

WEL Short-term value: 966 mg/m<sup>3</sup>, 200 ppm

Long-term value: 724 mg/m<sup>3</sup>, 150 ppm

108-65-6 2-methoxy-1-methylethyl acetate

WEL Short-term value: 548 mg/m<sup>3</sup>, 100 ppm Long-term value: 274 mg/m<sup>3</sup>, 50 ppm

Sk

# 67-63-0 propan-2-ol

WEL Short-term value: 1250 mg/m<sup>3</sup>, 500 ppm

Long-term value: 999 mg/m<sup>3</sup>, 400 ppm

· Additional information: The lists valid during the making were used as basis.

#### · Exposure controls

- · Personal protective equipment:
- General protective and hygienic measures: Wash hands before breaks and at the end of work.
- · Respiratory protection:
- Not required.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· Protection of hands:

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

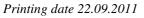
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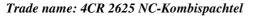
· Eye protec	tion:		
•	Tightly sealed goggles		

Information on basic physical and c	hemical properties
General Information Appearance:	
Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	82°C
Flash point:	33°C (DIN 53213)
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	370°C (DIN 51794)
Decomposition temperature:	Not determined.
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive ail vapour mixtures are possible.
Explosion limits:	
Lower:	1.2 Vol %
Upper:	7.5 Vol %
Vapour pressure at 20°C:	10.7 hPa
Density at 20°C:	1.531 g/cm <sup>3</sup> (DIN 53217)
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
Segregation coefficient (n-octanol/w	ater): Not determined.
Viscosity:	
Dynamic at 20°C:	10000 mPas
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	29.0 %
VOC (EC)	444.5 g/l
Solids content (weight-%):	71.0 %

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· Other information

No further relevant information available.

# 10 Stability and reactivity

- · Reactivity
- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: Carbon monoxide

# 11 Toxicological information

· Information on toxicological effects

• Acute toxicity:

- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.

## 12 Ecological information

#### · Toxicity

- · Acquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behaviour in environmental systems:
- *Bioaccumulative potential* No further relevant information available.
- Mobility in soil No further relevant information available.
- Additional ecological information:
- · General notes:
- Water hazard class 1 (German Regulation) : slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

# **13 Disposal considerations**

- · Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue

08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances

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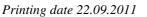
## · Uncleaned packaging:

• *Recommendation: Disposal must be made according to official regulations.* 

Transport information	
· UN-Number · ADR, IMDG, IATA	UN1866
	0111000
· UN proper shipping name · ADR	1866 RESIN SOLUTION, special provision 640E
· IMDG, IATA	RESIN SOLUTION
· Transport hazard class(es)	
· ADR	
ADK	
· Class	3 (F1) Flammable liquids.
· Label	3
· IMDG, IATA	
A	
· Class · Label	3 Flammable liquids. 3
	5
· Packing group · ADR, IMDG, IATA	111
	111
· Environmental hazards:	۸۲
· Marine pollutant:	No
$\cdot$ Special precautions for user	Warning: Flammable liquids.
· Danger code (Kemler): · EMS Number:	30 F-E,S-E
• Transport in bulk according to Annex	
MARPOL73/78 and the IBC Code	Not applicable.
• Transport/Additional information:	
· ADR	
• Tunnel restriction code	D/E
· Remarks:	<i>≤</i> 450 <i>l</i> : -
·IMDG	
· Remarks:	<i>≤ 30 l: -</i>

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3A

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# 15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

#### · National regulations:

· Information about limitation of use:

14807-96-6 Talk

13463-67-7 titanium dioxide

112-07-2 2-butoxyethyl acetate

1344-28-1 aluminium oxide

Class Share in %

NK 25-50

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### · Relevant phrases

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

#### R10 Flammable.

R11 Highly flammable.

R36 Irritating to eyes.

*R66 Repeated exposure may cause skin dryness or cracking.* 

R67 Vapours may cause drowsiness and dizziness.

#### · Department issuing MSDS: Laboratory

· Contact: Ingo Bolls

• \* Data compared to the previous version altered.