

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Article no.: 490

KK 100

Date of print: 02.02.10

Revision date: 03.07.2009

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1. Identification of the substance/preparation and of the company/undertaking

Article no. (manufacturer / supplier): 490
Identification of the substance or preparation: KK 100
Use of the substance / preparation: Adhesive
Supplier (manufacturer/importer/downstream user/distributor):
GUNOLD GmbH
Obernburger Str. 125
63811 Stockstadt
Dept. responsible for information:
EHS
Environment-Health-Safety

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2. Hazards identification

hazard designation:



F+ Extremely flammable.

Critical hazard to man and environment:

12 Extremely flammable.

3. Composition/information on ingredients

chemical characterization (preparation)

description: This preparation does not contain harmful substances and/or substances hazardous to the environment in accordance with the substance directive 67/548/EEC (incl. 31 ATP) or substances to which occupational exposure limit values are allocated.

Dangerous ingredients:

EC-no.: CAS-No.:	Identification of the hazard: R phrases:	Classification remark:	% by weight
200-827-9 74-98-6	propane 12	F+ *	20 - 25
204-065-8 115-10-6	dimethyl ether 12	F+ *	25 - 50
203-448-7 106-97-8	butane 12	F+ *	20 - 25
204-112-2 115-86-6	Triphenylphosphat 50/53	N	< 0,5
203-714-2 109-87-5	Methylal 11	F *	5 - 10
247-693-8 26444-49-5	diphenyl cresyl phosphate 51/53	N	< 0,5

4. First aid measures

General information:

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in unconscious position and seek medical advice. In case of irregular breathing or respiratory arrest provide artificial respiration.

After skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing.

Following eye contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

after ingestion:

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Consult physician immediately.

Do not induce vomiting.

5. Fire fighting measures

Suitable extinguishing media:

Foam. Water spray. Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

High power water jet.

Special exposure hazards arising from the substance itself, combustion products, resulting gases:

Gas / vapours, toxic.

Special protective equipment for fire-fighters:

Provide a conveniently located respiratory protective device.

Additional information:

Dangerous areas must be delimited and marked with appropriate warning and safety signs. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

6. Accidental release measures

Personal precautions

See protective measures under point 7 and 8.

Environmental precautions

Do not empty into drains or the aquatic environment. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

methods for cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13).

7. Handling and storage

Handling

Information for safe handling:

Heed the usual precautionary measures of handling chemicals.
VCI-storage class, see Chapter 15

Storage

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storerooms and containers:

Always keep in containers that correspond to the material of the original container. Ensure adequate ventilation of the storage area.

Further remarks:

VCI-storage class, see Chapter 15

8. Exposure controls / Personal protection equipment

Components with workplace or biological limit values to be monitored:

EC-no.:	description:			
CAS-No.:				
200-827-9	propane	AGW	1800 mg/m ³	1000 ppm
74-98-6				
204-065-8	dimethyl ether	AGW	1900 mg/m ³	1000 ppm
115-10-6				
203-448-7	butane	AGW	2400 mg/m ³	1000 ppm
106-97-8				

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203-714-2
109-87-5

Methylal

AGW

3200 mg/m³

1000 ppm

Personal protection equipment

Respiratory protection:

Hand protection:

Chemical resistant protective gloves: EN 374
Recommendation for contact by spatter: Protection Index 2
Permeation time >30 min., e.g. butyl rubber 0,4 mm
Recommendation for direct contact: Protection Index 6
Permeation time >480 min., e.g. nitrile rubber 0,4 mm

Eye protection:

Tightly sealed safety glasses. EN 166

Skin protection:

Preventive measures:

Avoid contact with skin, eye and clothing. After contact clean skin thoroughly with water and soap oder use appropriate cleanser.

9. Physical and chemical properties

Appearance:

State of matter: liquid
Paint: depending on coloration
Odour: typical

Safety relevant basis data

		Method	remark:
Flash point:	-60 °C	DIN 53213	
Ignition temperature (AIT)	235 °C		
lower explosion limit:	1,4 Vol-%		
upper explosion level:	32,0 Vol-%		
Vapour pressure:	5500,00 mbar (20°C)		
density:	0,66 g/cm ³ (20°C)		
boiling temperature / boiling range:	-25 °C (101,3 kPa)		
Solubility in water:	insoluble.		
Viscosity:	na		

10. Stability and reactivity

Conditions to avoid:

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

11. Toxicological information

Practical experience

Other observations:

Prolonged or repeated contact with the preparation can lead to irritations of mucous membranes and of skin such as redness, formation of blebs, dermatitis, etc..

Summarized evaluation of the CMR properties:

The components in this formulation do not meet the criteria for classification as CMR category 1 or 2.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

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12. Ecological information

Type judging:

Do not empty into drains.

Do not store at public landfills.

Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge.

Results of PBT assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

13. Disposal considerations

Appropriate disposal / Product:

Recommendation:

Control report for waste code/ waste marking according to EAKV:

080409 waste adhesives and sealants containing organic solvents or other dangerous substances

Contaminated packaging:

Recommendation: Cleaned containers may be recycled. Vessels not properly emptied are special waste.

14. Transport information

Transport according to ADR/RID, IMDG and ICAO/IATA.

Overland transport (ADR/RID)

Class:	2
Label:	2.1
UN No.:	1950
Hazard identification number (Kemler No.):	23
Official directive for the transport:	Aerosols, flammable
Packing Group:	n.a.
Tunnel restriction code:	D

Transport by sea (IMDG)

Class:	2.1
Label:	2.1
IMDG-CODE-Class:	F-D, S-U
UN No.:	1950
Official directive for the transport:	AEROSOLS
Packing Group:	n.a.
Marine pollutant:	n.a.

Air transport (ICAO-TI / IATA-DGR)

Class:	2
Label:	2.1
UN No.:	1950
Official directive for the transport:	Aerosols, flammable
Packing Group:	II

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15. Regulatory information

Moreover, national legislation has to be observed!

Informations on working limitations:

Observe employment restrictions under the Maternity Protection Directive (EC 92/85/EEC) for expectant or nursing mothers.
Observe employment restrictions under the law for the protection of young people at work (94/33/EC).

Water Hazard Class:

1 - slightly pollutant
calculated with mixing rule

Extremely flammable.

Storage class:

2 B
(VCI-concept for storage of chemicals in one common storage facility)

Class: I: 0 % II: 0 % III: 0 %

VbF classification:

A I

Classification

Danger symbol(s) and danger term(s) for dangerous materials and preparations:



F+ Extremely flammable.

Contains:

n.a.

R phrases:

12 Extremely flammable.

Precautionary Statements:

23 Do not breathe gas/fumes/vapour/spray.

51 Use only in well-ventilated areas.

Special labelling of particular preparations:

96 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

97 Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Other regulations (EU):

VOC

VOC-value (in g/l): 779,314

Listed in TOXIC SUBSTANCES CONTROL ACT (TSCA)

16. Additional information

Wording of the r-phrases under paragraph 3

12 Extremely flammable.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

11 Highly flammable.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Further remarks:

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.