

**Safety data sheet according to 1907/2006/EC,  
 Article 31, Trade name: CUTOL 2000 DF**

Print date 04.04.2014

Rev. 10

Revision date 28.08.2013

**1) IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

<b>Trade Name</b>	CUTOL 2000 DF
<b>Article number</b>	8-7900-000560
<b>Relevant identified uses of the substance or mixture and uses advised against</b>	No further information available
<b>Application of the substance / the mixture</b>	Coolant/ Cutting solution
<b>Manufacturer / Supplier</b>	Kaltenbach GmbH + Co. KG Blasiring 4 D-79539 Loerrach Phone +49-(0)7621-175262 Fax +49-(0)7621-175490
<b>Further information obtainable from</b>	Mr Klaus Braun Phone +49-(0)7621-175207 Fax +49-(0)7621-175900 E-Mail: k.braun@kaltenbach.de
<b>Emergency telephone number</b>	Phone +49-(0)7621-175207 (during labour time) or European emergency call 112

**2) Hazards identification**

<b>Classification of the substance or mixture</b>	Classification according to Directive 67/548/EEC or Directive 1999/45/EC	Void
	Information concerning particular hazards for human and environment	The product has not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version
	Classification system	The classification is according to the latest editions of the EU-lists, and extended by company and literature data

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<b>Label elements</b>	Labelling according to EU guidelines	Observe the general safety regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV)
	Special labelling of certain preparations	Contains 3-Iodo-2-propynylbutylcarbamate
<b>Other hazards</b>	Results of PBT and vPvB assessment	PBT: Not applicable vPvB: Not applicable

**3) COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical characterization</b>	Substances
<b>Identification number(s), ELINCS-Number</b>	None of the ingredients is listed
<b>Chemical characterization</b>	Mixtures
<b>Description</b>	Mixture of substances listed below with nonhazardous additions

<b>Trade name: CUTOL 2000 DF</b>		
CAS: 85536-23-8	Fatty acid amide Xi R38 Skin Irrit. 2, H315	2,5 – 10%
CAS: 66204-44-2 EINES: 266-235-8	3,3'.methylene-bis(5-methyloxazolidine) C R34; Xn R21/22 R52 Met. Corr. 1, H290 Skin Corr. 1B, H314 Acute Tox. 4, H302 Acute Tox. 4, H312	< 2,5%
CAS: 78-96-6 EINECS: 201-162-7 Index number: 603-082-00-1	1-aminopropan-2-ol C R34 Skin Corr. 1B, H314	< 2,5%
CAS: 55406-53-6 EINECS: 259-627-5	3-Iod-2-propinylbutylcarbamate Xn R20/22 ; Xi R37-41 ; Xi R43 ; N R50 Eye Dam. 1, H318 Aquatic Acute 1, H4000 Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Sens. 1, H317 STOT SE 3, H335	< 1,0%

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#### 4) FIRST AID MEASURES

<b>General information</b>	No special measures required
<b>After inhalation</b>	Supply fresh air; call doctor in case of complaints
<b>After skin contact</b>	Wash with water and soap
<b>After eye contact</b>	Rinse opened eye for for several minutes under running water
<b>After swallowing</b>	If symptoms persist consult doctor

Information for doctor:

<b>Most important symptoms and effects, both acute and delayed</b>	No further relevant information available
<b>Indication of any immediate medical attention and special treatment needed</b>	No further relevant information available

#### 5) FIREFIGHTING MEASURES

<b>Suitable extinguishing agents</b>	CO <sub>2</sub> , sand, extinguishing powder. Do not use water
<b>For safety reasons unsuitable extinguishing agents</b>	Water
<b>Special hazards arising from the substance or mixture</b>	Nitrogen oxides (NO <sub>x</sub> ) Carbon monoxide (CO)

Advice for firefights:

<b>Protective equipment</b>	Mount respiratory protective device
<b>Additional information</b>	Collect contaminated fire fighting water separately. It must not enter the sewage system

#### 6) ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	Not required
<b>Environmental precautions</b>	Do not allow to enter sewers/ surface or ground water. Do not allow to penetrate the ground/ soil
<b>Methods and material for containment and cleaning up</b>	Absorb with liquid-binding material (e.g. oil binders 'OEST Avilub Oelbinder GI')
<b>Reference to other sections</b>	See section 7 for information on safe handling. See section 8 for information on personal protection equipment. See section 13 for disposal information

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**7) HANDLING AND STORAGE**

A) Handling

<b>Precautions for safe handling</b>	No special measures required
<b>Information about fire- and explosion protection</b>	No special measures required

B) Storage

<b>Requirements to be met by storerooms and receptacles</b>	No special requirements
<b>Information about storage in one common storage facility</b>	Not required
<b>Further information about storage conditions</b>	Recommended storage temperature: from +10 to +30 Deg. C.
<b>Storage class</b>	Storage class 10
<b>Specific end use(s)</b>	No further relevant information available

**8) EXPOSURE CONTROLS/PERSONAL PROTECTION**

A) Control parameters

<b>Ingredients with limit values that require monitoring at the workplace</b>	No further data; see item 7	
	78-96-6 1-aminopropan-2-ol	AGW (Germany): 5,8 mg/m <sup>3</sup> , 2 ppm 2(l); AGS
<b>DNELs 112-34-5 2-(2-butoxyethoxy)ethanol</b>	Dermal DNEL longterm	20 mg/kg (worker) (systemic)
	Inhalativ DNEL longterm	67,5 mg/m <sup>3</sup> (worker) (systemic)
<b>PNECs 112-34-5 2-(2-butoxyethoxy)ethanol</b>	Clarification plant	200 mg/l
	Marine water	0,1 mg/l
	Meerwassersediment	0,4 mg/kg
	Fresh water sediment	4 mg/kg
	Fresh water	1 mg/l

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

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B) Exposure controls

<b>General protective and hygienic measures</b>	Avoid close or long term contact with the skin
<b>Respiratory protection</b>	Dependant on the application closed systems or local exhaust equipments are recommended to bring the product concentration below the exposure limit
<b>Protection of hands</b>	Oil resistance gloves
<b>Material of gloves</b>	Nitrile rubber, NBR
<b>Penetration time of glove material</b>	The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed Longterm contact: thickness 0,425mm; break through 240 – 480 min Shortterm contact: thickness 0,12mm; break through 10 – 30 min
<b>Not suitable are gloves made of the following materials</b>	Leather gloves
<b>Eye protection</b>	Safety glasses
<b>Body protection</b>	Protective work clothing

**9) PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Form	Fluid
	Colour	Teal
	Odour	Characteristic
	Odour threshold	Not determined
	pH-value (50 g/l) at 20°C	9,4 (DIN 51369)
<b>Change in condition</b>	Melting point/ Melting range	Undetermined
	Drip point, Pourpoint	Undetermined
	Flash point	Not applicable
	Flammability (solid, gaseous)	Not applicable
<b>Ignition temperature</b>	Decomposition temperature	Not determined
	Self-igniting	Product is not selfigniting
	Danger of explosion	Product does not present an explosion hazard
	Explosion limits Lower Upper	Not determined Not determined
	Vapour pressure	Not determined
	Density at 20°C	0,98 g/cm <sup>3</sup> (DIN 51757)

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	Relative density	Not determined
	Vapour density	Not determined
	Evaporation rate	Not determined
	Solubility in / Miscibility with water	Emulsifiable
	Partition coefficient (n-octanol/water)	Not determined
<b>Viscosity</b>	Dynamic	Not determined
	Kinematisch bei 20°C	400 mm <sup>2</sup> /s
	Other information	No further relevant information available

**10) STABILITY AND REACTIVITY**

<b>Thermal decomposition / conditions to be avoided</b>	No decomposition if used according to specifications
<b>Possibility of hazardous reactions</b>	No dangerous reactions known
<b>Conditions to avoid</b>	No further relevant information available
<b>Incompatible materials</b>	No further relevant information available
<b>Hazardous decomposition products</b>	Nitrogen oxides (NO <sub>x</sub> ) Carbon monoxide

**11) TOXICOLOGICAL INFORMATION**

<b>Specific target organ toxicity</b>	Single exposure	No harmful effects on organs by single exposure known
	Repeated exposure	No harmful effects on organs by repeated or prolonged exposure known
<b>Information on toxicological effects</b>	Acute toxicity	none
<b>Primary irritant effect</b>	On the skin	Prolonged and/or repeated skin contact may defat skin and possibly cause dermatitis
	On the eye	Slight, reversible irritant effect
	Sensitization	No sensitizing effects known
	Additional toxicological information	The product has not been tested. The information is derived from the properties of the individual

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		components
	Toxicokinetics, metabolism and distribution	No further relevant information available
	Acute effects (acute toxicity, irritation and corrosivity)	No data available
	Sensitisation	No data available
	Repeated dose toxicity	No further relevant information available
	CMR effects (carcinogenicity, mutagenicity and toxicity für reproduction)	No special effects or risks are known

**12) ECOLOGICAL INFORMATION**

A) Toxicity

<b>Aquatic toxicity</b>	No further relevant information available
<b>Persistence and degradability</b>	No further relevant information available

B) Behaviour in environmental systems

<b>Bioaccumulative potential</b>	No further relevant information available
<b>Mobility in soil</b>	No further relevant information available

C) Additional ecological information

<b>General notes</b>	Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system
<b>Results of PBT and vPvB assessment</b> PBT vPvB	Not applicable Not applicable
<b>Other adverse effects</b>	No further relevant information available

**13) DISPOSAL CONSIDERATIONS**

A) Waste treatment methods

<b>Recommendation</b>	Must not be disposed together with household garbage. Do not allow product to reach sewage system
<b>European wast catalogue 12 01 09*</b>	Machining emulsions and solutions free of

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<b>12 01 07*</b>	halogens Mineral-based machining oils free of halogens (except emulsions and solutions)
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B) Uncleaned packaging

<b>Recommendation</b>	EWC-Code 15 01 99 D1 Packaging with product residue
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**14) TRANSPORT INFORMATION**

<b>UN-Number ADR, ADN, IMDG, IATA</b>	Void
<b>UN proper shipping name ADR, ADN, IMDG, IATA</b>	Void
<b>Transport hazard class(es) ADR, ADN, IMDG, IATA Class</b>	Void
<b>Packing group ADR,ADN, IMDG, IATA</b>	Void
<b>Environmental hazards</b>	Not applicable
<b>Special precautions for user</b>	Not applicable
<b>Transport in bulk to Annex II of MARPOL 73/78 and the IBC-Code</b>	Not applicable
<b>Transport/ Additional information</b>	Not dangerous according to the above specifications

**15) REGULATORY INFORMATION**

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

<b>Labelling according to EU guidelines</b>	Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV)
<b>Special labelling of certain preparations</b>	Contains 3-lods-2-propynylbutylcarbamate

B) National provisions

<b>Chemical safety assessment</b>	A Chemical Safety Assessment has not been carried out
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## 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

H290	May be corrosive to metals
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life

R20/22	Harmful by inhalation and if swallowed
R21/22	Harmful in contact with skin and if swallowed
R34	Causes burns
R37	Irritating to respiratory system
R38	Irritating to skin
R41	Risk of serious damage to eyes
R43	May cause sensitisation by skin contact
R50	Very toxic to aquatic organisms
R52	Harmful to aquatic organisms

**Contact:** SW

\*Data compared to the previous version altered.