

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

Print date 19.03.2015

Rev. 10

Revision date 16.01.2015

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

Trade Name	CUTOL MA
Article number	8-2671-651005
Relevant identified uses of the substance or mixture and uses advised against	No further information available
Application of the substance / the mixture	Metal working fluid
Manufacturer / Supplier	Kaltenbach GmbH + Co. KG Blasiring 4 D-79539 Loerrach Phone +49-(0)7621-175262 Fax +49-(0)7621-175490
Further information obtainable from	Mr Klaus Braun Phone +49-(0)7621-175207 Fax +49-(0)7621-175900 E-Mail: k.braun@kaltenbach.de
Emergency telephone number	Phone +49-(0)7621-175207 (during labour time) or European emergency call 112

2) Hazards identification

Regulation (EC) No 1272/2008 (GHS): None

Classification of the substance or mixture	Classification according to Directive 67/548/EEC or Directive 1999/45/EC	None
	Regulation (EC) No 1272/2008 (GHS)	None

3) COMPOSITION INFORMATION ON INGREDIENTS

Chemical characterization	Substances
Identification number(s), ELINCS-Number	None of the ingredients is listed
Chemical characterization	Mixtures
Description	Mixture consisting of native esters and additives

4) FIRST AID MEASURES

General information	In all cases of doubt, or when symptoms persist, seek medical attention. For further information refer to "specifications about toxicology"
After inhalation	Supply fresh air; consult doctor in case of complaints
After skin contact	Immediately remove all contaminated clothing. Wash away with soap and water and rinse.
After eye contact	Remove contact lenses, keep eyelids open. Flush with plenty of water (10 – 15 min)
After swallowing	Don't induce vomiting – call a physician. Drink plenty of water.

5) FIREFIGHTING MEASURES

Suitable extinguishing media	Alcohol resistant foam, CO ₂ , powders, water spray. Not combustible under normal conditions. Adapt extinguishing measures to suit the environment.
For safety reasons unsuitable extinguishing media	Waterjet
Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged	Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
Additional information	Cool endangered containers with water in case of fire. Don't allow the quenching water into the sewage system.

6) ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Normal precautions taken when handling chemicals should be observed. Don't eat or drink during work – no smoking. Comply with the health and safety at work laws.
Environmental precautions	Don't empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.
Methods and material for containment and cleaning up	Remove mechanically, take-up residues with absorbing material. Clean preferably with a detergent; avoid use of solvents

7) HANDLING AND STORAGE

A) Handling

Precautions for safe handling	Normal precautions taken when handling chemicals should be observed. Don't eat or drink during work – no smoking. Comply with the health and safety at work laws.
Information about fire- and explosion protection	No anti-explosion measures necessary

B) Storage

Requirements to be met by storerooms and receptacles	Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Information about storage in one common storage facility	Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.
Further information about storage conditions	Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Avoid cooling to under 0°C.
Storage class	Storage class 10

8) EXPOSURE CONTROLS/PERSONAL PROTECTION

A) Control parameters

Integredients with limit values that require monitoring at the workplace	None known.
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Additional information about engineering measures: The usual precautionary measures for the handling of chemicals have to be observed..

B) Exposure controls

General protective and hygienic measures	Wash hands before breaks and after work.
Respiratory protection	If workplace limits are exceeded, a gas mask approved for this purpose must be worn. Respiration filter ABEKP3 or airfed respirator.
Protection of hands	Use protective gloves. Material: Neoprene, PVA. After washing hands replace lost skin fat by fat containing skin creams.
Eye protection	Use tightly fitting safety glasses
Body protection	Immediately remove all contaminated clothing. Was away with soap, water and rinse.

9) PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Form	Liquid
	Colour	Colourless
	Odour	Characteristic
	Odour threshold	Not determined
	pH-value	Not determined
Change in condition	Melting point/ Melting range	-69°C
	Drip point, Pourpoint	-15°C
	Flash point	160°C (Din 57155)
	Flammability (solid, gaseous)	Not applicable
Ignition temperature	Decomposition temperature	Not determined
	Self-igniting	Product is not selfigniting
	Danger of explosion	Product does not present an explosion hazard
	Explosion limits	
	Lower	Not determined
	Upper	Not determined
	Vapour pressure	< 0,0001 hPa

	Density at 20°C	0,830-0,840 g/cm ³
	Relative density	Not determined
	Vapour density	Not determined
	Evaporation rate	Not determined
	Solubility in / Miscibility with water	Not miscible or difficult to mix
	Partition coefficient (n-octanol/water)	>8 log POW
Viscosity	Dynamic	40-50 mPas (RL 1999/13/EG)
	Kinematisch bei 20°C	18mm ² /s (RL 2004/427EG)
	Other information	No further relevant information available

10) STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided	Stable under recommended storage and handling conditions (see section 7)
Possibility of hazardous reactions	No dangerous reactions known
Conditions to avoid	No further relevant information available
Incompatible materials	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	None, if handled according to order

11) TOXICOLOGICAL INFORMATION

Specific target organ toxicity	Single exposure	No harmful effects on organs by single exposure known
	Repeated exposure	No harmful effects on organs by repeated or prolonged exposure known
Information on toxicological effects	Acute toxicity	none
Primary irritant effect	On the skin	No irritant effect
	On the eye	No irritating effect
	Sensitization	No sensitizing effects known
	Subacute to chronic toxicity	No hurtful effects known
	Additional toxicological information	The product has not been tested. The information is derived from the properties of the individual components
	Toxicokinetics, metabolism and	No further relevant

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	distribution	information available
	Acute effects (acute toxicity, irritation and corrosivity)	No data available
	CMR effects (carcinogenicity, mutagenicity and toxicity für reproduction)	No special effects or risks are known

12) ECOLOGICAL INFORMATION

A) Toxicity

Experience on practice	According to our experience no damage to health has appeared even in case of long lasting contact.
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Additional toxicological information

This product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC)

A) Additional ecological information

General	Don't empty into water or drains.
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13) DISPOSAL CONSIDERATIONS

A) Waste treatment methods

Recommendation	In accordance with local official regulations. Remove in accordance with regulations.
European waste catalogue Waste key 12 01 19*	Waste code (91/689/EEC): 12 01 10*

B) Uncleaned packaging

Recommendation	EWC-Code 15 01 99 D1 Packaging with product residue
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14) TRANSPORT INFORMATION

The product does not constitute a dangerous good in national/international road, rail, sea and air transport.

15) REGULATORY INFORMATION

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

Labeling (67/548/EEC or 1999/45/EC)	None
Regulation (EC) No 1272/2008 (GHS) Classification Hazard classes and hazard categories	None
Labeling	None

B) National regulatory information

Water pollution classification Class 1	Classification according to VwVwS
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16) OTHER INFORMATION

Further information

The details in this material safety data sheet satisfy national and EC legislation. We have no knowledge or control over the user's working conditions however. The product may not be used for any purpose other than that specified in chapter 1 unless written consent has been obtained. The user is responsible for the observance of all required statutory provisions.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product and features and shall not establish a legally valid contractual relationship.

***Data compared to the previous version altered**