



### 1 Identification of the substance / preparation and of the company

<b>Product:</b>	Cool
<b>Article number:</b>	109001 + 109010
<b>Registration number:</b>	not applicable
<b>Use:</b>	Cooling lubricant
<b>Identified use:</b>	none
<b>Method of operation:</b>	See product information.
<b>Company:</b>	Buehler GmbH In der Steele 2 D-40599 Düsseldorf / GERMANY
<b>Phone:</b>	0800 707 6273
<b>Fax:</b>	0800 707 6274
<b>Homepage:</b>	www.buehler-met.de/en/
<b>E-mail:</b>	sales@buehler.co.uk
<b>Emergency phone:</b>	0800 707 6273 (Only valid if dialled within the UK) +49 (0) 211 974100
<b>Responsible:</b>	Simonavicius@chemiebuero.de

### 2 Hazards identification

<b>Physico-chemical hazards:</b>	See chapter 10.
<b>Human health dangers:</b>	If swallowed or in the event of vomiting, risk of product entering the lungs.
<b>Environmental hazards:</b>	The product/the substance has the Water Hazard Class 1.
<b>Other hazards:</b>	none
<b>Hazard symbols:</b>	none
<b>R-phrases:</b>	none

### 3 Composition / Information on ingredients

1 - 5%	Alkanolamine
Xi, R36 CAS: , EINECS/ELINCS: , EU-INDEX: , ECBnr:	
1 - 20%	2-2'-Oxydiethanol
Xn, R22 CAS: 111-46-6, EINECS/ELINCS: 203-872-2, EU-INDEX: 603-140-00-6, ECBnr:	

**Comment on component parts:** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

<b>General information:</b>	Change soaked clothing.
<b>Inhalation:</b>	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
<b>Skin contact:</b>	When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact:</b>	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
<b>Ingestion:</b>	Supply with medical care. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.
<b>Advice to doctor:</b>	Treat symptomatically.



### 5 Fire-fighting measures

- Suitable extinguishing media:** Dry powder.  
Carbon dioxide.  
Foam.  
Water spray jet.
- Extinguishing media that must not be used:**  
Full water jet.
- Special exposure hazards arising from the substance or preparation itself or combustion products:**  
Unknown risk of formation of toxic pyrolysis products.
- Special protective equipment for firefighters:**  
Use self-contained breathing apparatus.
- Additional information:** Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

### 6 Accidental release measures

- Personal precautions:** High risk of slipping due to leakage/spillage of product.
- Environmental precautions:** Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into the drains/surface waters/groundwater.
- Methods for cleaning up:** Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth).  
Dispose of absorbed material in accordance within the regulations.

### 7 Handling and storage

- Advice on safe handling:** Provide suitable vacuuming at the processing machines.
- Advice on protection against fire and explosion:**  
No special measures necessary.
- Requirements for storage rooms and vessels:**  
Keep only in original container.
- Advice on storage compatibility:** No special measures necessary.
- Further information on storage conditions:**  
Keep container tightly closed.  
Recommended storage temperature: 15-30 °C.

### 8 Exposure controls / personal protection

- Additional advice on system design:**  
Ensure adequate ventilation on workstation.

**Ingredients with occupational exposure limits to be monitored:**

1 - 20%	2-2'-Oxydiethanol, 23ppm*, 101mg/m <sup>3</sup> *
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\* WEL: Workplace exposure limit

- Respiratory protection:** not applicable
- Hand protection:** Butyl rubber, >120 min (EN 374).
- Eye protection:** Safety glasses.
- Skin protection:** not applicable
- General protective measures:** Avoid contact with eyes and skin.  
Do not inhale gases/vapours/aerosols.
- Hygiene measures:** Wash hands before breaks and after work.  
Use barrier skin cream.
- Delimitation and monitoring of the environmental exposition:**  
none



### 9 Physical and chemical properties

<b>Form:</b>	liquid
<b>Color:</b>	yellow
<b>Odor:</b>	characteristic
<b>pH-value:</b>	9-11
<b>pH-value [1%]:</b>	not determined
<b>Boiling point [°C]:</b>	not determined
<b>Flash point [°C]:</b>	not applicable
<b>Flammability [°C]:</b>	not applicable
<b>Lower explosion limit:</b>	not applicable
<b>Upper explosion limit:</b>	not applicable
<b>Oxidizing properties:</b>	no
<b>Vapour pressure [kPa]:</b>	not determined
<b>Density [g/ml]:</b>	1,1-1,13 DIN 51757
<b>Density at [°C]:</b>	20
<b>Bulk density [kg/m³]:</b>	not applicable
<b>Solubility in water:</b>	miscible
<b>Partition coefficient [n-octanol/water]:</b>	not determined
<b>Viscosity:</b>	13-23 mm²/s DIN 53018
<b>Relative vapour density determined in air:</b>	not determined
<b>Evaporation speed:</b>	not determined
<b>Melting point [°C]:</b>	not determined
<b>Autoignition temperature [°C]:</b>	not applicable
<b>Decomposition temperature:</b>	not determined

### 10 Stability and reactivity

<b>Hazardous reactions:</b>	Reactions with acids and strong oxidizing agents.
<b>Hazardous decomposition products:</b>	No hazardous decomposition products known.

### 11 Toxicological information

<b>Acute oral toxicity:</b>	not determined
<b>Acute dermal toxicity:</b>	not determined
<b>Acute inhalational toxicity:</b>	not determined
<b>Irritant effect on eye:</b>	not determined
<b>Irritant effect on skin:</b>	not determined
<b>Sensitization:</b>	not determined
<b>Subacute toxicity:</b>	not determined
<b>Chronic toxicity:</b>	not determined
<b>Mutagenicity:</b>	not determined
<b>Reproduction toxicity:</b>	not determined
<b>Carcinogenicity:</b>	not determined
<b>Experiences made in practice:</b>	none
<b>General remarks:</b>	No classification on the basis of the calculation procedure of the preparation directive.



### 12 Ecological information

<b>Fish toxicity:</b>	not determinated
<b>Daphnia toxicity:</b>	not determinated
<b>Behaviour in environment compartments:</b>	not determinated
<b>Behaviour in sewage plant:</b>	not determinated
<b>Bacteria toxicity:</b>	not determinated
<b>Biological degradability:</b>	not determinated
<b>COD:</b>	not determinated
<b>BOD 5:</b>	not determinated
<b>AOX-advice:</b>	not applicable
<b>2006/11/EC:</b>	yes
<b>General information:</b>	No classification on the basis of the calculation procedure of the preparation directive.

### 13 Disposal considerations

<b>Product:</b>	For recycling, consult manufacturer.
<b>Contaminated packaging:</b>	Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.
<b>Waste no. (recommended):</b>	120110*

### 14 Transport information

<b>Classification according to ADR:</b>	NO DANGEROUS GOODS
- Classification Code:	
- Label:	
- ADR LQ	
- ADR 1.1.3.6 (8.6):	Transport category (tunnel restriction code): -
<b>Classification according to IMDG:</b>	NOT CLASSIFIED AS "DANGEROUS GOODS"
- EMS:	
- Label:	
- IMDG Limited Quantities:	
<b>Classification according to IATA:</b>	NOT CLASSIFIED AS "DANGEROUS GOODS"
- Label:	

### 15 Regulatory information

<b>Exposure scenario:</b>	not applicable
<b>Chemical safety report:</b>	not applicable
<b>Labelling:</b>	The product does not require a hazard warning label in accordance with EC-directives.
<b>Hazard symbols:</b>	none
<b>R-phrases:</b>	none
<b>S-phrases:</b>	none
<b>Special labelling:</b>	Safety data sheet available for professional user on request.
<b>Authorisation, TITEL VII:</b>	not applicable
<b>Restrictions, TITEL VIII:</b>	not applicable
<b>EEC-REGULATIONS:</b>	1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006.
<b>TRANSPORT-REGULATIONS:</b>	DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2009).
<b>NATIONAL REGULATIONS</b>	EH40/2005 Workplace exposure limits with amendments October 2007.



**16 Other informations**

**R-phrases (Chapter 03):** R 22: Harmful if swallowed.  
R 36: Irritating to eyes.

**Observe employment restrictions for people:**

no

**VOC (1999/13/CE):** not determinated

**Customs Tariff:** not determinated