





1 Identification of the substance / preparation and of the company

Buehler IsoCut Fluid

Article number: 11-1193-032, 11-1193-128

Use:	Cutting Fluid
Identified use:	none
Method of operation:	See product information.
Company:	Buehler GmbH In der Steele 2 D-40599 Düsseldorf / GERMANY Phone: 0800 707 6273 Fax: 0800 707 6274 Homepage: www.buehler-met.de/en/ E-mail: sales@buehler.co.uk
Emergency phone:	0800 707 6273 (Only valid if dialled within the UK) +49 (0) 211 974100
Responsible:	Schroeder@chemiebuero.de

2 Hazards identification

Physico-chemical hazards:	See chapter 10.
Other hazards:	none
Hazard symbols:	 Harmful
R-phrases:	R 65: Harmful - may cause lung damage if swallowed. R 66: Repeated exposure may cause skin dryness or cracking.
Labelling 1272/2008 GHS/CLP:	
Signal word:	DANGER
Hazard statements:	H304 May be fatal if swallowed and enters airways. EUH 066 Repeated exposure may cause skin dryness or cracking.

3 Composition / Information on ingredients

Range [%]	Substance
100	Distillates (petroleum), hydrotreated light
	CAS: 64742-47-8, EINECS/ELINCS: 265-149-8 EU-INDEX: 649-422-00-2 ECB-Nr.:
	GHS/CLP: Asp. Tox 1, H304, EUH066
	EEC: Xn, R65-66

Comment on component parts: Substances of Very High Concern - SVHC: substances are not contained or below 0,1%.
For the wording of the listed risk phrases refer to section 16.

4 First aid measures

General information:	Change soaked clothing.
Inhalation:	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
Skin contact:	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
Eye contact:	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Ingestion:	Seek medical advice immediately. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.
Advice to doctor:	If swallowed or in the event of vomiting, risk of product entering the lungs.



5 Fire-fighting measures

Suitable extinguishing media:	Dry powder. Water spray jet. Carbon dioxide. Foam.
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 with the local regulations.

6 Accidental release measures

Personal precautions:	Keep away from all sources of ignition. Ensure adequate ventilation. 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 with the regulations.

7 Handling and storage

Advice on safe handling:	Provide good room ventilation even at ground level (vapours are heavier than air).
Advice on protection against fire and explosion:	No special measures necessary.
Requirements for storage rooms and vessels:	Keep only in original container. Provide solvent-resistant and impermeable floor.
Advice on storage compatibility:	Do not store together with oxidizing agents.
Further information on storage conditions:	Keep container tightly closed. Keep container in a well-ventilated place. Protect from heat/overheating.



8 Exposure controls / personal protection

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

Ingredients with occupational exposure limits to be monitored: (GB)

Range [%]	Substance / WEL: Workplace exposure limit
100	Distillates (petroleum), hydrotreated light / - ppm, 1200 mg/m ³ , -

Respiratory protection: Breathing apparatus in the event of high concentrations.

Short term: filter apparatus, filter A.

Hand protection:

Nitrile rubber, >480 min (EN 374).

The details concerned are recommendations. Please contact the glove supplier for further information.

Eye protection:

Safety glasses.

Skin protection:

not applicable

General protective measures:

Avoid contact with eyes and skin.

Do not inhale gases/vapours/aerosols.

Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.

Hygiene measures:

Do not eat, drink, smoke or take drugs at work.

Wash hands before breaks and after work.

Use barrier skin cream.

Delimitation and monitoring of the environmental exposition:

not determined

9 Physical and chemical properties

Form:	liquid
Color:	yellow
Odor:	characteristic
pH-value:	not applicable
pH-value [1%]:	not applicable
Boiling point [°C]:	188-207
Flash point [°C]:	65
Flammability [°C]:	not determined
Lower explosion limit:	1,0 Vol.%
Upper explosion limit:	not determined
Oxidizing properties:	no
Vapour pressure [kPa]:	<0,02
Density [g/ml]:	0,789
Bulk density [kg/m³]:	not applicable
Solubility in water:	immiscible
Partition coefficient [n-octanol/water]:	not determined
Viscosity:	< 7 mm ² /s 40°C
Relative vapour density determined in air:	not determined
Evaporation speed:	not determined
Melting point [°C]:	not determined
Autoignition temperature [°C]:	not determined
Decomposition temperature:	not applicable

10 Stability and reactivity

Hazardous reactions: Reactions with strong oxidizing agents.

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

Hazardous decomposition products:

No hazardous decomposition products known.


11 Toxicological information

Acute oral toxicity:	LD50: >2000 mg/kg
Acute dermal toxicity:	not determined
Acute inhalational toxicity:	not determined
Irritant effect on eye:	Slight irritant effect - does not require labelling.
Irritant effect on skin:	Slight irritant effect - does not require labelling.
Sensitization:	Non-sensitizing.
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproduction toxicity:	not determined
Carcinogenicity:	not determined
Experiences made in practice:	none
General remarks:	Analogous to product with a similar composition.

12 Ecological information

Fish toxicity:	LC50: >1000 mg/l (96h)
Daphnia toxicity:	EC50: >250 mg/l (24h)
Behaviour in environment compartments:	not determined
Behaviour in sewage plant:	not determined
Bacteria toxicity:	not determined
Biological degradability:	not determined
COD:	not determined
BOD 5:	not determined
AOX-advice:	No dangerous components.
2006/11/EC:	yes
General information:	not applicable

13 Disposal considerations



Product:	Disposal in an incineration plant in accordance with the regulations of the local authorities. Coordinate disposal with the authorities if necessary.
Contaminated packaging:	Packaging that cannot be cleaned should be disposed of as for product. Uncontaminated packaging may be taken for recycling.
Waste no. (recommended):	070704*

14 Transport information

Classification according to ADR:	NO DANGEROUS GOODS
Classification according to IMDG:	NOT CLASSIFIED AS "DANGEROUS GOODS"
Classification according to IATA:	NOT CLASSIFIED AS "DANGEROUS GOODS"



15 Regulatory information

Exposure scenario:	not determined
Chemical safety report:	not determined
Labelling:	The product is classified and labelled in accordance within EC-directives.
Hazard symbols:	 Harmful
Contains:	Distillates (petroleum), hydrotreated light EU-INDEX: 649-422-00-2
R-phrases:	R 65: Harmful - may cause lung damage if swallowed. R 66: Repeated exposure may cause skin dryness or cracking.
S-phrases:	S 62: If swallowed, do not induce vomiting. Seek medical advice immediately and show this container or label.
Signal word:	DANGER
Labelling 1272/2008 GHS/CLP:	
Special labelling:	none
Contains:	Distillates (petroleum), hydrotreated light EU-INDEX: 649-422-00-2
Hazard statements:	H304 May be fatal if swallowed and enters airways. EUH 066 Repeated exposure may cause skin dryness or cracking.
Precautionary statements:	P301 P330 P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P315 Get immediate medical advice/attention.
EEC-REGULATIONS:	1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EWG (2008/47/EG
TRANSPORT-REGULATIONS:	DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2010).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits with amendments October 2007. CHIP 3/ CHIP 4
Authorisation, TITEL VII:	not applicable
Restrictions, TITEL VIII:	not applicable

16 Other informations

R-phrases (Chapter 03):	R 65: Harmful - may cause lung damage if swallowed. R 66: Repeated exposure may cause skin dryness or cracking.
Hazard statements (Chapter 03):	H304 May be fatal if swallowed and enters airways. EUH066 Repeated exposure may cause skin dryness or cracking.
Observe employment restrictions for people:	yes
VOC (1999/13/CE):	100%

Disclaimer: 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.

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