



1 Identification of the substance / preparation and of the company
Industrial cleaner
Article number: 19 99 95

Use:	see product designation
Identified use:	Cleaner
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:	  Extremely flammable Irritant
R-phrases:	Dangerous for the environment R 12: Extremely flammable. R 38: Irritating to skin. R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Special labelling:	Contains: (R)-p-Mentha-1,8-diene. May produce an allergic reaction.

3 Composition / Information on ingredients

Range [%]	Substance
70 - 80	(R)-p-Mentha-1,8-diene CAS: 5989-27-5, EINECS/ELINCS: 227-813-5 EU-INDEX: 601-029-00-7 ECB-Nr.: GHS/CLP: Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1, H226, H315, H317, H410 EEC: Xi-N, R10-38-43-50/53
10 - 20	Propane CAS: 74-98-6, EINECS/ELINCS: 200-827-9 EU-INDEX: 601-003-00-5 ECB-Nr.: GHS/CLP: Flam. Gas 1, Press. Gas (*), H220 EEC: F+, R12

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:	not applicable
Advice to doctor:	Treat symptomatically.



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. Bursting aerosols can be forcibly projected from a fire.
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.
Environmental precautions:	not applicable
Methods for cleaning up:	Take up mechanically. Dispose of absorbed material in accordance with the regulations.

7 Handling and storage

Advice on safe handling:	Use solvent-resistant equipment. Use only in well-ventilated areas.
Advice on protection against fire and explosion:	Vapours can form an explosive mixture with air. Keep away from all sources of ignition - Refrain from smoking.
Requirements for storage rooms and vessels:	Provide solvent-resistant and impermeable floor.
Advice on storage compatibility:	Do not store together with oxidizing agents.
Further information on storage conditions:	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)	not applicable
Respiratory protection:	Breathing apparatus in the event of high concentrations. Short term: filter apparatus, filter A.
Hand protection:	Butyl rubber, >120 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:	aerosol
Color:	yellow
Odor:	characteristic
pH-value:	not applicable
pH-value [1%]:	not applicable
Boiling point [°C]:	not applicable
Flash point [°C]:	not applicable
Flammability [°C]:	not applicable
Lower explosion limit:	not determined
Upper explosion limit:	not determined
Oxidizing properties:	no
Vapour pressure [kPa]:	not determined
Density [g/ml]:	0,77 (20°C / 68,0°F)
Bulk density [kg/m³]:	not applicable
Solubility in water:	virtually insoluble
Partition coefficient [n-octanol/water]:	not determined
Viscosity:	not applicable
Relative vapour density determined in air:	not applicable
Evaporation speed:	not applicable
Melting point [°C]:	not applicable
Autoignition temperature [°C]:	not applicable
Decomposition temperature:	not applicable

10 Stability and reactivity

Hazardous reactions:	Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting. Risk of bursting.
Hazardous decomposition products:	Flammable gases/vapours.

11 Toxicological information

Acute oral toxicity:	not determined
Acute dermal toxicity:	not determined
Acute inhalational toxicity:	not determined
Irritant effect on eye:	not determined
Irritant effect on skin:	not determined
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:	The product was classified on the basis of toxicological datas. The product was classified on the basis of the calculation procedure of the preparation directive.






12 Ecological information

Fish toxicity:	not determined
Daphnia toxicity:	not determined
Behaviour in environment compartments:	not determined
Behaviour in sewage plant:	not determined
Bacteria toxicity:	not determined
Biological degradability:	The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
COD:	not determined
BOD 5:	not determined
AOX-advice:	not determined
2006/11/EC:	yes
General information:	The product was classified on the basis of the calculation procedure of the preparation directive.




13 Disposal considerations

Product:	Coordinate disposal with the authorities if necessary.
Contaminated packaging:	Untcontaminated packaging may be taken for recycling.
Waste no. (recommended):	160504* gases in pressure containers (including halons) containing dangerous substances

14 Transport information

Classification according to ADR:	UN 1950 AEROSOLS 2.1
- Classification Code:	5F
- Label:	
- ADR LQ	LQ2: 1 I
- ADR 1.1.3.6 (8.6):	Transport category (tunnel restriction code): 2 (D)
Classification according to IMDG:	UN 1950 Aerosols 2.1 -
- EMS	F-D, S-U
- Label:	
- IMDG LQ	1 I
Classification according to IATA:	UN 1950 Aerosols, flammable 2.1
- Label:	

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:	  Extremely flammable Irritant
R-phrases:	 Dangerous for the environment R 12: Extremely flammable. R 38: Irritating to skin. R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases:	S 23.4: Do not breathe spray. S 24/25: Avoid contact with skin and eyes. S 51: Use only in well-ventilated areas.
Special labelling:	Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. 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. Contains: (R)-p-Mentha-1,8-diene. May produce an allergic reaction.
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 10: Flammable. R 38: Irritating to skin. R 43: May cause sensitisation by skin contact. R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R 12: Extremely flammable.
Hazard statements (Chapter 03):	H226 Flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H410 Very toxic to aquatic life with long lasting effects. H220 Extremely flammable gas.
Observe employment restrictions for people:	yes
VOC (1999/13/CE):	~96%
Cleaner, 648/2004/CE, contains:	5 - <15% non-ionic surfactants 15 - <30% aliphatic hydrocarbons (propellant) fragrances d-LIMONENE

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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