

Silicone Mold Release
Article number: 20-3046
Buehler GmbH
D-40599 Düsseldorf



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1 Identification of the substance / preparation and of the company

Silicone Mold Release Article number: 20-3046

Use: See product information.
Identified use: none
Method of operation: See product information.
Company: Buehler GmbH
 In der Steele 2
 D-40599 Düsseldorf / GERMANY
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 Fax: 0800 707 6274
 Homepage: www.buehler-met.de/en/
 E-mail: sales@buehler.co.uk
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Responsible: Schroeder@chemiebuero.de

2 Hazards identification

Physico-chemical hazards: See chapter 10.
Other hazards: none
Hazard symbols: Harmful
R-phrases: R 40: Limited evidence of a carcinogenic effect.

3 Composition / Information on ingredients

Range [%]	Substance
60 - < 80	Dichloromethane CAS: 75-09-2, EINECS/ELINCS: 200-838-9 EU-INDEX: 602-004-00-3 ECB-Nr.: GHS/CLP: - EEC: Xn, R40
20 - 40	1,1,1,2-Tetrafluoro ethane CAS: 811-97-2, EINECS/ELINCS: 212-377-0 EU-INDEX: ECB-Nr.: GHS/CLP: - EEC:

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: Remove contaminated soaked clothing immediately and dispose of safely.
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.
Foam.
Water spray jet.
Carbon dioxide.

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:

Bursting aerosols can be forcibly projected from a fire.
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:

Ensure adequate ventilation.
Keep away from all sources of ignition.
Use personal protective clothing.

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 only in well-ventilated areas.

Advice on protection against fire and explosion:

No special measures necessary.

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:

Protect from heat/overheating.
Keep in a cool place, heat causes increase in pressure and risk of bursting.

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
60 - < 80	Dichloromethane / 100 ppm, 350 mg/m ³ , Bmgv,Sk
20 - 40	1,1,1,2-Tetrafluoro ethane / 1000 ppm, 4240 mg/m ³ , -

Respiratory protection: Breathing apparatus in the event of high concentrations.
Short term: filter apparatus, filter AX.

Hand protection: Viton, >120 min (EN 374).
The details concerned are recommendations. Please contact the glove supplier for further information.

Eye protection: Safety glasses.

Skin protection: Light protective clothing, anti-static.

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.

Clean skin thoroughly after work, apply skin cream.

Remove soiled or soaked clothing immediately.

Use barrier skin cream.

Delimitation and monitoring of the environmental exposition:

not determined

9 Physical and chemical properties

Form:	aerosol
Color:	clear
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:	~ 13 Vol. %
Upper explosion limit:	~ 22 Vol. %
Oxidizing properties:	no
Vapour pressure [kPa]:	not applicable
Density [g/ml]:	1,168 (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: Because of the high vapour pressure, containers are liable to burst if temperature rises.
Reactions with strong acids.

Hazardous decomposition products: No hazardous decomposition products known.

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:	not determined
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:	Toxicological data are not available. 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:	not determined
COD:	not determined
BOD 5:	not determined
AOX-advice:	The product contains organically bound halogen in accordance with the formulation.
2006/11/EC:	yes
General information:	No classification on the basis of the calculation procedure of the preparation directive.


13 Disposal considerations

Product:	Coordinate disposal with the authorities if necessary.
Contaminated packaging:	Uncontaminated 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 2.2
- Classification Code:	5A
- Label:	
- ADR LQ	LQ2: 1 I
- ADR 1.1.3.6 (8.6):	Transport category (tunnel restriction code): 3 (E)
Classification according to IMDG:	UN 1950 Aerosols 2.2 -
- EMS	F-D, S-U
- Label:	
- IMDG LQ	1 I
Classification according to IATA:	UN 1950 Aerosols, non flammable 2.2
- 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:	 Harmful
Contains:	Dichloromethane
R-phrases:	R 40: Limited evidence of a carcinogenic effect.
S-phrases:	S 24/25: Avoid contact with skin and eyes. S 23.4: Do not breathe spray. S 35: This material and its container must be disposed of in a safe way. S 36/37: Wear suitable protective clothing and gloves. 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.
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 40: Limited evidence of a carcinogenic effect.
Observe employment restrictions for people:	yes
VOC (1999/13/CE):	~ 72%

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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