



**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

**Buehler Replicating Media, Comp. B**  
**Article number 57-6004**

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

**1.2.1 Relevant uses**

Base

**1.2.2 Uses advised against**

None known.

**1.3 Details of the supplier of the safety data sheet**

**Company** ITW Test & Measurement GmbH  
Boschstraße 10  
73734 Esslingen a. Neckar / GERMANY  
Phone 0800 707 6273  
Fax 0800 707 6274  
Homepage [www.buehler-met.de](http://www.buehler-met.de)  
E-mail [info.uk@buehler.com](mailto:info.uk@buehler.com)

**Address enquiries to**

**Technical information** [info.uk@buehler.com](mailto:info.uk@buehler.com)

**Safety Data Sheet** [sdb@chemiebuero.de](mailto:sdb@chemiebuero.de)

**1.4 Emergency telephone number**

**Company** 0800 707 6273 (Only valid if dialled within the UK) +49 (0) 711 4904690-0

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

No classification.

**2.2 Label elements**

The product is required to be labelled in accordance with GHS/CLP-Directives.

**Hazard pictograms** none

**Signal word** none

**Hazard statements** none

**Precautionary statements** none

**Special labelling** EUH210 Safety data sheet available on request.

**2.3 Other hazards**

**Other hazards** No particular hazards known.



### SECTION 3: Composition / Information on ingredients

#### Product-type:

The product is a mixture.

Range [%]	Substance
5 - < 10	White mineral oil (petroleum)
	CAS: 8042-47-5, EINECS/ELINCS: 232-455-8
	GHS/CLP: Asp. Tox. 1: H304
1 - < 3	Hydrocarbons, c4, 1,3-butadiene-free, polym., pentaisobutylene fraction, hydrogenated
	CAS: 93685-79-1, EINECS/ELINCS: 297-627-7
	GHS/CLP: Asp. Tox. 1: H304

#### Comment on component parts

Addition-vulcanising 2-component silicone.

The contained dangerous materials are not freely available with foreseeable use.

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.

For full text of H-statements: see SECTION 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information

Take off contaminated clothing and wash before reuse.

##### Inhalation

Ensure supply of fresh air.  
In the event of symptoms seek medical treatment.

##### Skin contact

When in contact with the skin, clean with soap and water.  
Consult a doctor if skin irritation persists.

##### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

##### Ingestion

Do not induce vomiting.  
Seek medical advice.

#### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Alcohol-resistant foam.  
foam, dry powder, water spray jet, carbon dioxide

##### Extinguishing media that must not be used

Full water jet

#### 5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.  
Silicon compounds  
Chlorine compounds.  
Nitrogen oxides (NOx).  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

#### 5.3 Advice for firefighters

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.



## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.  
Use personal protective equipment.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### 6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth).  
Dispose of absorbed material in accordance with the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well-ventilated areas.

Take off contaminated clothing and wash before reuse.  
Do not eat, drink or smoke when using this product.  
Wash hands before breaks and after work.  
Use barrier skin cream.

### 7.2 Conditions for safe storage, including any incompatibilities

Prevent penetration into the ground.

Keep container tightly closed.  
Keep in a cool place. Store in a dry place.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

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

Substance
White mineral oil (petroleum)
CAS: 8042-47-5, EINECS/ELINCS: 232-455-8
Long-term exposure: 5 mg/m <sup>3</sup> , oil mist TWA, ACGIH



## 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. General limit for oil mist should be noted.
<b>Eye protection</b>	safety glasses (EN 166:2001)
<b>Hand protection</b>	0,4mm: butyl rubber, > 120 min (EN 374) The details concerned are recommendations. Please contact the glove supplier for further information.
<b>Skin protection</b>	Protective clothing.
<b>Other</b>	Do not breathe vapour/spray. Avoid contact with eyes and skin.
<b>Respiratory protection</b>	Not required under normal conditions.
<b>Thermal hazards</b>	none
<b>Delimitation and monitoring of the environmental exposition</b>	Comply with applicable environmental regulations limiting discharge to air, water and soil.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Form</b>	viscous
<b>Color</b>	black
<b>Odor</b>	characteristic
<b>Odour threshold</b>	No information available.
<b>pH-value</b>	not applicable
<b>pH-value [1%]</b>	not applicable
<b>Boiling point [°C]</b>	No information available.
<b>Flash point [°C]</b>	> 93°C / > 200°F
<b>Flammability (solid, gas) [°C]</b>	not applicable
<b>Lower explosion limit</b>	No information available.
<b>Upper explosion limit</b>	No information available.
<b>Oxidising properties</b>	no
<b>Vapour pressure/gas pressure [kPa]</b>	No information available.
<b>Density [g/ml]</b>	No information available.
<b>Bulk density [kg/m³]</b>	not applicable
<b>Solubility in water</b>	insoluble
<b>Partition coefficient [n-octanol/water]</b>	No information available.
<b>Viscosity</b>	No information available.
<b>Relative vapour density determined in air</b>	No information available.
<b>Evaporation speed</b>	No information available.
<b>Melting point [°C]</b>	No information available.
<b>Autoignition temperature [°C]</b>	not self-igniting
<b>Decomposition temperature [°C]</b>	No information available.

### 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

**10.3 Possibility of hazardous reactions**

No hazardous reactions known.

**10.4 Conditions to avoid**

Strong heating.

**10.5 Incompatible materials**

No information available.

**10.6 Hazardous decomposition products**

No dangerous reactions known if used as directed.  
Formation of Formaldehyde during the thermal decomposition.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Substance
White mineral oil (petroleum), CAS: 8042-47-5
LD50, oral, Rat: > 5000 mg/kg.
LD50, dermal, Rabbit: > 2000 mg/kg.
LC50, inhalative, Rat: > 5000 mg/m <sup>3</sup> .
Hydrocarbons, c4, 1,3-butadiene-free, polym., pentaisobutylene fraction, hydrogenated, CAS: 93685-79-1
LD50, dermal, > 2000 mg/kg (Lit.).
LD50, oral, > 5000 mg/kg (Lit.).

**Serious eye damage/irritation**

Toxicological data of complete product are not available.  
Based on the available information, the classification criteria are not fulfilled.

**Skin corrosion/irritation**

Toxicological data of complete product are not available.  
Based on the available information, the classification criteria are not fulfilled.

**Respiratory or skin sensitisation**

Toxicological data of complete product are not available.  
Based on the available information, the classification criteria are not fulfilled.

**Specific target organ toxicity — single exposure**

Toxicological data of complete product are not available.  
Based on the available information, the classification criteria are not fulfilled.

**Specific target organ toxicity — repeated exposure**

Toxicological data of complete product are not available.  
Based on the available information, the classification criteria are not fulfilled.

**Mutagenicity**

Toxicological data of complete product are not available.  
Based on the available information, the classification criteria are not fulfilled.

**Reproduction toxicity**

Toxicological data of complete product are not available.  
Based on the available information, the classification criteria are not fulfilled.

**Carcinogenicity**

Toxicological data of complete product are not available.  
Based on the available information, the classification criteria are not fulfilled.

**Aspiration hazard**

Based on the available information, the classification criteria are not fulfilled.

**General remarks**

none

**SECTION 12: Ecological information****12.1 Toxicity**



## 12.2 Persistence and degradability

<b>Behaviour in environment compartments</b>	No information available.
<b>Behaviour in sewage plant</b>	Can be separated out mechanically in purification plants.
<b>Biological degradability</b>	No information available.

## 12.3 Bioaccumulative potential

No information available.

## 12.4 Mobility in soil

The product is insoluble in water.

## 12.5 Results of PBT and vPvB assessment

not applicable

## 12.6 Other adverse effects

Ecological data of complete product are not available.  
Do not discharge product unmonitored into the environment or into the drainage.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

<b>Product</b>	Coordinate disposal with the authorities if necessary.
<b>Waste no. (recommended)</b>	070217
<b>Contaminated packaging</b>	Contaminated packing should be disposed of as product waste.
<b>Waste no. (recommended)</b>	150102

## SECTION 14: Transport information

### 14.1 UN number

<b>Transport by land according to ADR/RID</b>	not applicable
<b>Inland navigation (ADN)</b>	not applicable
<b>Marine transport in accordance with IMDG</b>	not applicable
<b>Air transport in accordance with IATA</b>	not applicable



#### 14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

#### 14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

#### 14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

#### 14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

#### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable



## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>EEC-REGULATIONS</b>	1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC; (EU) 2015/830
<b>TRANSPORT-REGULATIONS</b>	DOT-Classification, ADR (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2015).
<b>NATIONAL REGULATIONS (GB):</b>	EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4
- Observe employment restrictions for people	none
- VOC (1999/13/CE)	0%

### 15.2 Chemical safety assessment

not applicable

## SECTION 16: Other information

### 16.1 Hazard statements (SECTION 03)

H304 May be fatal if swallowed and enters airways.

### 16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
 CAS = Chemical Abstracts Service  
 CLP = Classification, Labelling and Packaging  
 DMEL = Derived Minimum Effect Level  
 DNEL = Derived No Effect Level  
 EC50 = Median effective concentration  
 ECB = European Chemicals Bureau  
 EEC = European Economic Community  
 EINECS = European Inventory of Existing Commercial Chemical Substances  
 ELINCS = European List of Notified Chemical Substances  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
 IC50 = Inhibition concentration, 50%  
 IMDG = International Maritime Code for Dangerous Goods  
 IUCLID = International Uniform Chemical Information Database  
 LC50 = Lethal concentration, 50%  
 LD50 = Median lethal dose  
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
 PBT = Persistent, Bioaccumulative and Toxic substance  
 PNEC = Predicted No-Effect Concentration  
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
 TLV@TWA = Threshold limit value – time-weighted average  
 TLV@STEL = Threshold limit value – short-time exposure limit  
 VOC = Volatile Organic Compounds  
 vPvB = very Persistent and very Bioaccumulative

### 16.3 Other information

#### Classification procedure

**Modified position** none



Safety Data Sheet 1907/2006/EC - REACH (GB)

Buehler Replicating Media, Comp. B

Article number 57-6004

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**BUEHLER**

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