

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

- **1.1 Product identifier**
- **Trade name: Vascomill MMS FA 2**
- **Article number:** 02509-02
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation:**  
For industrial use  
Metal working fluid
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer / Supplier:**  
BLASER SWISSLUBE AG  
Winterseistrasse 22  
CH-3415 Hasle-Rüegsau  
Switzerland  
Tel.: +41 (0)34 460 01 01  
E-mail: [contact@blaser.com](mailto:contact@blaser.com)  
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- **JEMTECH (UK) Ltd.**  
Ashdown Business Park  
Maresfield  
East Sussex TN22 2DU  
United Kingdom  
Tel.: +44 (0)1825 767640  
E-mail: [sales@jemtech.co.uk](mailto:sales@jemtech.co.uk)  
[www.jemtech.co.uk](http://www.jemtech.co.uk)
- **Further information obtainable from:**  
Product Safety Department  
E-mail: [sds@blaser.com](mailto:sds@blaser.com)
- **1.4 Emergency telephone number:**  
For advice on chemical emergencies, spillages, fires or exposures: +44 1235 239670 (24h/7d)

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture:**
- **Classification according to Regulation (EC) No 1272/2008**  
This product is considered not hazardous according to the CLP regulation.  
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- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product does not meet the criteria which leads to a labeling.
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards** None
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.
- **Declarable, or hazardous components:**  
**CAS-no.**  
Void

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- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

#### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Not applicable, as the concentrate is not volatile.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

#### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information** Cool endangered receptacles with water spray.

#### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

#### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EU" as issued in the latest valid version.  
Observe the general safety regulations when handling chemicals.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:**  
Protect from heat and direct sunlight.  
Optimal storage temperature between 5°C and 40°C.  
Minimum shelf life: In closed original container, at least 36 months.
- **7.3 Specific end use(s)** No further relevant information available.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

· **Additional information about design of technical facilities:** No further data; see item 7.

### · Ingredients with limit values at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:** The lists valid during the making were used as basis.

### 8.2 Exposure controls

#### · Personal protective equipment:

#### · General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

· **Respiratory protection:** Not required.

#### · Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### · Material of gloves

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the resultant standard EN 374.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

The break through, among others, depending on material density and the type of glove and therefore must be determined in each individual case.

Gloves must be inspected prior to use. Replace when worn!

Impervious gloves: nitrile rubber, minimum thickness of 0.3 mm.

#### · Penetration time of glove material

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Eye protector with side protection (framed eyeglasses) EN 166.

· **Body protection:** Protective work clothing

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

Form:	Fluid
Colour:	Yellow
Odour:	Light
Odour threshold:	Not determined.

· **pH-value:** Not applicable.

#### · Change in condition:

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	>300 °C (DIN 51751 / ASTM D86)
Drip point:	Not applicable
Pour point:	-12 °C (ISO 3016 / ASTM D97)

· **Flash point:** 190 °C (ISO 2592 / ASTM D92)

· **Flammability (solid, gas):** Not applicable.

· **Ignition temperature:** >350 °C (DIN 51794 / ASTM E659)

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

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· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Explosion limits (@1013 mbar):</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Oxidising properties</b>	Not applicable.
· <b>Density at 20 °C:</b>	0.85 g/cm <sup>3</sup> (DIN 51757 / ASTM D1217)
· <b>Vapour density</b>	Not applicable.
	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Insoluble.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
<b>Kinematic at 40 °C:</b>	31 mm <sup>2</sup> /s
· <b>9.2 Other information:</b>	safety relevant data, which has to be considered as product specifications.

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** None known if used as directed.
- **10.2 Chemical stability** Stable under recommended storage conditions.
- **10.3 Possibility of hazardous reactions** Reacts with strong oxidising agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide
- **Additional information:**  
No hazardous decomposition products can be expected when properly handled and stored.  
Release of flammable substances in distillation systems with solvent recovery possible.  
Risk of accumulation in the solvent circuit.  
Formation of trimethyl pentene possible.  
Formation of hydrogen sulfide possible.

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**  
> 2000 - < 5000 mg / kg (oral, rat)  
> 5,100 mg/m<sup>3</sup> 4h (inhalation, rat)
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **Repeated dose toxicity**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

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### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Do not allow product to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

12 01 10*	synthetic machining oils
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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

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|---|---|
| · <b>14.1 UN-Number</b><br>· <b>ADR, ADN, IMDG, IATA</b>                                    | Not regulated   |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR, ADN, IMDG, IATA</b>                      | Not regulated   |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR, ADN, IMDG, IATA</b><br>· <b>Class</b> | Not regulated   |
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                     | Not regulated   |
| · <b>14.5 Environmental hazards:</b><br>· <b>Marine pollutant:</b>                          | No  |
| · <b>14.6 Special precautions for user</b>  | Not applicable.                                       |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>            | Not applicable.                                       |
| · <b>Transport/Additional information:</b>  | Not dangerous according to the above specifications.  |
| · <b>IATA</b>   | IATA Dangerous Goods Regulation (DGR): latest edition |
| · <b>UN "Model Regulation":</b>   | Not regulated   |

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## SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:** no further regulations.
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**  
This preparation does not contain any SVHC ("Substances of Very High Concern")
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

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.

### · Regulations / approvals / listings:

Information on REACH registration numbers in section 3:

If no REACH registration numbers on substances in section 3 are mentioned, then they are exempt from the REACH registration requirements (e.g. polymers).

### · RoHS:

The product is compliant with European Directives 2015/863/EC, 2011/65/EC, 2002/95/EC, WEEE 2002/96/EC, 2003/11/EC, 2005/53/EC and RoHS.

The following substances ARE NOT contained:

Pentabromodiphenylether, Octabromodiphenylether, polybrominated diphenylether (PBDE) and / or polybrominated biphenyls (PBB), Bis(2-ethylhexyl)phthalate (DEHP), Benzylbutylphthalate (BBP), Dibutylphthalate (DBP), Diisobutylphthalate (DIBP);

lead or it's compounds, cadmium or it's compounds, mercury or it's compounds, chromium Cr<sup>6+</sup>-compounds.

### · TSE/BSE:

Materials and/or synthetically modified materials which are of animal origin from bovine, ovine, goats, cats, dogs, deer, elk and/or mink, are NOT included in this product.

This product is entirely free from latex containing materials.

This product adheres to the standards of TSE/BSE-free products, according to European Community directives 93/42/EEC and 2003/32/EC.

### · Department issuing SDS: Product Stewardship

### · Contact: Mrs. Wilson + Mr. Feller

### · Editor's notice:

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.

### · Abbreviations and acronyms:

RoHS: Restriction of Hazardous Substances

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

ISO: International Organisation for Standardisation

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

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**Safety Data Sheet**  
according to 1907/2006/EC, Article 31 and 830/2015/EC

Printing date 30.07.2021

Version number 11

Revision: 30.07.2021

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REL: Recommended Exposure Limit

ATE: Acute Toxicity Estimate

· \* **Data compared to the previous version altered.**

The asterisk (\*) on the left side indicate the respective changes from the previous version.

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