

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Trade Name	Micro-Ceramic Oil
Supplier	Wagner Spezialschmierstoffe GmbH & Co. KG Speckbrodi 8, D – 86759 Wechingen Tel. +49 9085 – 96009-0
Article No.:	J13
Preparation No.:	2018-WAG-478
Registration No.:	n.ap.
Responsible Division	Product Safety Tel. +49 9085 – 96009-0
Emergency Telephone	Tel. +49 9085 – 96009-0 (8:30 - 16:30)
Information Centre Specializing in Symptoms of Poisoning	Tel. +44 870 600 6266

### 1.1 Relevant identified uses of the substance or mixture and uses advised against

Use: Lubricant Additive

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

None.

### 2.2 Label elements

Classification according to 1272/2008/EC: No.  
Applicable Exemptions:  
Signal word(s): n.ap.  
Component(s):

Hazard pictogram(s):

**H - Phrases:**  
n.ap.

**P - Phrases:**  
P102: Keep out of reach of children.  
P262: Do not get in eyes, on skin, or on clothing.

Although this product does not require a hazard warning label, we recommend that the safety advice should be observed.

Additional Markings:

The above-mentioned labelling is valid for distribution to public use/ industrial user.

### 2.3 Other hazards

Vapours which may irritate the respiratory system may be released at high temperatures. May cause eye irritation with susceptible persons.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

n.ap.

### 3.2 Mixtures

Chemical characterisation:  
Mixture

#### Dangerous Ingredients

CAS - No. Hazard Code (s)/H-phrases	Index - No.	EC - No.	REACH No.	m% - range

Text of R-/H- phrases: see section 16  
m% - range:  $x - y \triangleq x \geq - < y$

## **4. FIRST AID MEASURES**

### **4.1 Description of first aid measures**

#### **4.1.1 Inhalation**

Move to fresh air in case of accidental inhalation of vapours or decomposition products. If symptoms persist, call a physician.

#### **4.1.2 Skin Contact**

Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.

#### **4.1.3 Eye Contact**

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

#### **4.1.4 Ingestion**

Call a physician immediately. Do not induce vomiting. Rinse mouth.

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

None known.

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

Treat symptomatically.

## **5. FIREFIGHTING MEASURES**

### **5.1 Extinguishing media**

#### **5.1.1 Suitable Extinguishing Media**

Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.

#### **5.1.2 Extinguishing Media to Avoid**

High volume water jet.

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

In the event of fire the following can be released: Carbon oxides, hazardous decomposition products due to incomplete combustion. Risk of receptacle bursting.

### **5.3 Advice for firefighters**

#### **5.3.1 Special Protective Equipment**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

#### **5.3.2 Additional Information**

In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## **6. ACCIDENTAL RELEASE MEASURES**

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

See chapter 8.2.2

Contaminated surfaces will be extremely slippery. Keep away from sources of ignition - No smoking.

### **6.2 Environmental precautions**

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.

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

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

### **6.4 Reference to other sections**

None.

## **7. HANDLING AND STORAGE**

## 7.1 Precautions for safe handling

### 7.1.1 Precautions for Safe Handling

Avoid contact with skin and eyes. Remove and wash contaminated clothing before re-use. When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday.

### 7.1.2 Precautions in Case of Fire and Explosion

Keep away from sources of ignition - No smoking. Normal measures for preventive fire protection.

## 7.2 Conditions for safe storage, including any incompatibilities

### 7.2.1 Storage Instructions

Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container.  
Suitable material: stainless steel Teflon polypropylene.

### 7.2.2 Store away from

Do not store together with oxidizing agents.

### 7.2.3 Further Information on Storage Conditions

At high temperatures: Risk of receptable bursting.

## 7.3 Specific end use(s)

n.av.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Material	Limit Value
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### 8.2 Exposure controls

Provide appropriate exhaust ventilation at machinery.

#### 8.2.1 Appropriate engineering controls

Provide appropriate exhaust ventilation at machinery.

#### 8.2.2 Individual protection measures

**Respiratory Protection:**

Breathing apparatus needed only when aerosol or mist is formed.

**Hand Protection:**

Repeated or prolonged exposure: Protective gloves complying with EN 374 (Butyl-rubber PVC Neoprene). The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

**Eye Protection:**

In case of contact through splashing: safety glasses with side-shields conforming to EN166

**Skin Protection:**

Protective suit

**Further Information:**

Observe wearing time limits.

#### 8.2.3 Environmental exposure controls

Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Form	Liquid
Colour	White
Odour	Characteristic
Odour threshold	n.av.
pH-value, undiluted	n.ap.
pH-value, 1% aqueous solution	n.ap.
Boiling point / Boiling range (°C)	n.ap.

Melting point/Melting range (°C)	n.av.
Flash point (°C)	225, closed cup
Flammability (EEC A10/A13)	n.av.
Ignition temperature (°C)	n.av.
Autoflammability (EEC A16)	None.
Oxidising properties	None.
Explosion hazard	None.
Explosion limits (Vol.%)	
lower	n.av.
upper	n.av.
Vapour pressure/Vapour density (Air = 1)	n.av./n.av.
Density (g/ml)	0.974
Solubility in water	immiscible
Partition coefficient, n-Octanol / Water	n.av.
Solvent content (m%)	n.ap.
Thermal decomposition (°C)	n.av.
Evaporation rate	n.av.

## 9.2 Other information

n.av.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

At high temperatures: Risk of decomposition, risk of receptacle bursting.

### 10.4 Conditions to avoid

Protect from frost, heat and sunlight.

### 10.5 Incompatible materials

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed. To avoid thermal decomposition, do not overheat.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Substances

#### Mixtures

Acute Toxicity	
Inhalation:	n.av.
Ingestion:	n.av.
Skin Contact:	n.av.
Irritation / corrosion (to skin):	Slight.
Serious eye damage / irritation:	Slight
Respiratory or skin sensitisation:	None.
Germ cell mutagenicity:	n.av.
Carcinogenicity:	n.av.
Reproductive toxicity:	n.av.
STOT-single exposure:	n.av.
STOT-repeated exposure:	n.av.
Aspiration hazard:	n.av.

#### Practical Experience:

n.av.

**11.2 Practical Experience**

Observations relevant for classification: n.av.

Further Observations:

Vapours which may irritate the respiratory system may be released at high temperatures.

Classification of the preparation has been done by calculation in accordance with EEC directives.

**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

We have no quantitative data concerning the ecological effects of this product.

**12.2 Persistence and degradability**

Not readily biodegradable (4,9 % after 28 days) (OECD 301 F). Information given is based on data obtained from similar substances.

**12.3 Bioaccumulative potential**

n.av.

**12.4 Mobility in soil**

n.av.

**12.5 Results of PBT and vPvB assessment**

n.av.

**12.6 Other adverse effects**

COD-Value, mg/g: n.av.

BOD5-Value, mg/g: n.av.

AOX-Remarks: Not applicable.

Significant Components: None.

Other adverse effects: Not applicable.

**13. DISPOSAL CONSIDERATIONS**

**13.1 Recommendation:**

**Waste - Code - No.**

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

In addition, comply with the regional authorities.

**13.2 Contaminated Packaging**

Recommendation: Wash with suitable cleaner. Otherwise as described under Residues.

Safe Handling: As described under Residues.

**14. TRANSPORT INFORMATION**

14.1	<b>ADR UN Number</b>	<b>IMDG</b>	<b>IATA</b>
14.2	<b>UN proper shipping name</b>		
14.3	<b>Transport hazard class(es)</b>		
14.4	<b>Packing group</b>		
14.5	<b>Environmental hazards</b>		
14.6	<b>Special precautions for user</b>		
14.7	<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>		

**15. REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
n.av.

**15.2 Chemical safety assessment**  
n.ap.

**16. OTHER INFORMATION**

**Text of R / H phrases mentioned in Section 3**

n.ap.

This datasheet has been compiled in accordance with EU regulation 2015/830.  
The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible.  
They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must  
neither be altered nor transferred to other products.

**Issued by**  
Product Safety Division