

# Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 37000 Dragon's Blood, powder

Page 1

Revised edition: 02.06.2015

Version: 1

Printed: 02.06.2015

### 1. Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1. Product Identifier

*Product Name:* Dragon's Blood, powder

*Article No.:* 37000

#### 1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

*Identified uses:*  
Coloring agent

*Uses advised against:*

#### 1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

*Company:* Kremer Pigmente GmbH & Co. KG

*Address:* Hauptstr. 41-47, 88317 Aichstetten, Germany

*Tel./Fax.:* Tel +49 7565 914480, Fax +49 7565 1606

*Internet:* www.kremer-pigmente.de

*E-Mail:* info@kremer-pigmente.de

*Importer:* --

#### 1.4. Emergency No.

*Emergency No.:* +49 7565 914480 (Mon-Fri 8:00 - 17:00)

### 2. Hazards Identification

#### 2.1. Classification of the Substance or Mixture

*Classification according to EC Regulation 1272/2008*

*This product does not require classification and labelling as hazardous according to CLP/GHS.*

*Classification according to EC Regulation No. 67/548 or No. 1999/45*

*The material is not subject to classification according to EC lists.*

*Safety Phrases:*

*Possible Environmental Effects:*

#### 2.2. Label Elements

*Classification according to EC Regulation 1272/2008*

*This product does not require classification and labelling as hazardous according to CLP/GHS.*

*Hazard designation:*  
Not applicable.

*Signal word:*

*Hazard designation:*

*Safety designation:*

*Hazardous components for labelling:*

**Other Hazards**

next page: 2

# Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 37000 Dragon's Blood, powder

Page 2

Revised edition: 02.06.2015

Version: 1

Printed: 02.06.2015

---

2.3.

---

### 3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

*Chemical Characterization:* Resinous exudation from *Daemonorops draco* and other rattan palms.

*Hazardous Ingredients:*

*Additional information:*

---

### 4. First Aid Measures

4.1. Description of the First Aid Measures

*General information:*

*No special measures required.*

*After inhalation:*

*Take affected person to fresh air.*

*After skin contact:*

*Wash with soap and rinse with plenty of water.*

*After eye contact:*

*Rinse open eyes with plenty of water. In case of discomfort seek medical help.*

*After ingestion:*

*If symptoms persist consult physician.*

4.2. Most important Symptoms and Effects, both Acute and Delayed

*Symptoms:*

*No further information available.*

*Effects:*

4.3. Indication of any Immediate Medical Attention and special Treatment needed

*Treatment:*

*No further information available.*

---

### 5. Fire-Fighting Measures

5.1. Extinguishing Media

*Suitable extinguishing media:*

*Use extinguishing media for surrounding fire.*

*Unsuitable extinguishing media:*

5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

*Do not inhale fumes.*

5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device and protective clothing.*

*Further information:*

next page: 3

# Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 37000 Dragon's Blood, powder

Page 3

Revised edition: 02.06.2015

Version: 1

Printed: 02.06.2015

---

### 6. Accidental Release Measures

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*No special measures required.*

#### 6.2. Environmental Precautions

*Environmental precautions:*

*No special measures required.*

#### 6.3. Methods and Material for Containment and Cleaning Up

*Methods and material:*

*Clean up mechanically. Avoid dust formation.*

#### 6.4. Reference to other Sections

*Dispose of contaminated material according to Section 13.*

---

### 7. Handling and Storage

#### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Avoid formation and deposition of dust. Provide adequate ventilation.*

*Hygienic measures:*

*Do not eat or drink during work. Do not smoke.*

#### 7.2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

*Store in a cool and dry place.*

*Requirements for storage areas and containers:*

*Storage: In the original container.*

*Information on fire and explosion protection:*

*Storage class (VCI):*

*11; Combustible solids*

*Further Information:*

#### 7.3. Specific End Use(s)

*Further information:*

---

### 8. Exposure Controls/Personal Protection

#### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

*TLV: 4 mg/m<sup>3</sup> general dust limit inhalable fraction.*

*Parameters to be controlled (EC):*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

next page: 4

# Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 37000 Dragon's Blood, powder

Page 4

Revised edition: 02.06.2015

Version: 1

Printed: 02.06.2015

---

### *Additional Information:*

#### 8.2. Exposure Controls

*Technical protective measures:*

*No further measures, see Section 7.*

*Personal Protection*

*General protective measures:*

*Avoid contact with skin and avoid inhalation of vapour. Do not eat, drink or smoke while working.*

*Respiratory protection:*

*In case of formation of dust.*

*Hand protection:*

*Not required*

*Protective glove material:*

*Eye protection:*

*Safety glasses (EN 166)*

*Body protection:*

*Environmental precautions:*

---

#### 9. Physical and Chemical Properties

##### 9.1. Information on Basic Physical and Chemical Properties

*Form:* powder

*Color:* red

*Odor:* odorless

*Odor threshold:*  
*No information available.*

*pH-Value:*  
*not determined*

*Melting temperature:* 80 - 120°C

*Boiling temperature:*  
*not available*

*Flash point:*  
*not available*

*Evaporation rate:*  
*not applicable*

*Flammability (solid, gas):*  
*not applicable*

*Upper explosion limit:*  
*no information available*

*Lower explosion limit:*  
*no information available*

next page: 5

# Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 37000 Dragon's Blood, powder

Page 5

Revised edition: 02.06.2015

Version: 1

Printed: 02.06.2015

---

*Vapor pressure:*

*not applicable*

*Vapor density:*

*No information available.*

*Density:*

*not determined*

*Solubility in water:*

*insoluble*

*Coefficient of variation (n-Octanol/Water):*

*no information available*

*Auto-ignition temperature:*

*No information available.*

*Decomposition temperature:*

*No data available.*

*Viscosity, dynamic:*

*not applicable*

*Explosive properties:*

*not applicable*

*Oxidizing properties:*

*no information available*

*Bulk density:*

### 9.2. Further Information

*Solubility in solvents:*

*Readily soluble in: ethyl, amyl and methyl alcohol, benzol, several etheric oils and alkalis.*

*Insoluble in turpentine oil and petroleum.*

*Viscosity, kinematic*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

---

## 10. Stability and Reactivity

### 10.1. Reactivity

*Stable if used according to specifications.*

### 10.2. Chemical Stability

*Stable if used according to specifications.*

### 10.3. Possibility of Hazardous Reactions

*No information available.*

### 10.4. Conditions to Avoid

next page: 6

# Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 37000 Dragon's Blood, powder

Page 6

Revised edition: 02.06.2015

Version: 1

Printed: 02.06.2015

---

*Conditions to avoid:*

*Avoid heat.*

*Thermal decomposition:*

**10.5. Incompatible Materials**

*None known.*

**10.6. Hazardous Decomposition Products**

*Heating causes irritating fumes.*

**10.7. Further Information**

---

**11. Toxicological Information**

**11.1. Information on Toxicological Effects**

*Acute Toxicity*

*No toxicity expected.*

*LD50, oral:*

*LD50, dermal:*

*LC50, inhalation:*

*Primary effects*

*Irritant effect on skin:*

*No irritant effect known.*

*Irritant effect on eyes:*

*No irritant effect known.*

*Inhalation:*

*No irritant effect known.*

*Ingestion:*

*No irritant effect known.*

*Sensitization:*

*No information available.*

*Mutagenicity:*

*No data available.*

*Reproductive toxicity:*

*No data available.*

*Cancerogenity:*

*No data available.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No data available.*

*Additional toxicological information:*

*When used and handled according to specifications, the product does not have any harmful effects. The product is not subject to classification according to latest version of the General EU*

next page: 7

# Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 37000 Dragon's Blood, powder

Page 7

Revised edition: 02.06.2015

Version: 1

Printed: 02.06.2015

---

### Classification Guidelines for Preparations.

---

#### 12. Ecological Information

##### 12.1. Aquatic Toxicity

*No toxicity expected.*

*Fish toxicity:*

*Daphnia toxicity:*

*Bacteria toxicity:*

*Algae toxicity:*

##### 12.2. Persistency and Degradability

*No information available.*

##### 12.3. Bioaccumulation

*No information available.*

##### 12.4. Mobility

*Insoluble.*

##### 12.5. Results of PBT- und vPvP Assessment

*No data available.*

##### 12.6. Other Adverse Effects

*Water hazard class:*

*Not hazardous.*

*Behaviour in sewage systems:*

*Further ecological effects:*

*Natural product. Environmentally not hazardous.*

*AOX Value:*

---

#### 13. Disposal Considerations

##### 13.1. Waste Treatment Methods

*Product:*

*Dispose of according to official national and local regulations.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Waste Code No.:*

---

#### 14. Transport Information

##### 14.1. UN Number

*ADR, IMDG, IATA*

##### 14.2. UN Proper Shipping Name

*ADR/RID:*

*IMDG/IATA:*

*No hazardous goods according to IMDG.*

##### 14.3. Transport Hazard Classes

*ADR Class:*

next page: 8

# Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 37000 Dragon's Blood, powder

Page 8

Revised edition: 02.06.2015

Version: 1

Printed: 02.06.2015

---

*not applicable*

*Hazard no.:*

*Classification code:*

*Tunnel no.:*

*IMDG Class (sea):*

*Hazard no.:*

*EmS No.:*

*IATA Class:*

*not applicable*

*Hazard no.:*

### 14. 4. Packaging Group

*ADR/RID:*

*not applicable*

*IMDG:*

*IATA:*

### 14. 5. Environmental Hazards

*None*

### 14. 6. Special Precautions for User

*Not classified as a dangerous good under transport regulations.*

### 14. 7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

### 14. 8. Further Information

---

## 15. Regulatory Information

### 15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

*Water hazard class:*

*0, not hazardous (self-assessment)*

*Local regulations on chemical accidents:*

*Employment restrictions:*

*Restriction and prohibition of application:*

*Technical instructions on air quality:*

### 15. 2. Chemical Safety Assessment

*A Chemical Safety Assessment has not been carried out for this product.*

### 15. 3. Further Information

---

## 16. Other Information

*This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.*