

# Safety Data Sheet

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



## 45350 Manganese Violet

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Revised edition: 19.03.2018

Version: 7

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

#### 1.1. Product Identifier

*Product Name:* Manganese Violet

*Article No.:* 45350

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

*Identified uses:*

*Pigment for the coloration of plastics, paper, food packaging, inks, paint, cosmetics.*

*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.com

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

*Importer:* --

#### 1.4. Emergency No.

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

#### 1.4.2 Poison Center:

### 2. Hazards Identification

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

*Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)*

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

*Possible Environmental Effects:*

#### 2.2. Label Elements

*Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)*

*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:*

#### 2.3. Other Hazards

*Like with all mineral powders, long-term contact can cause respiratory problems.*

*Contact with strong alkalines releases ammonia, a flammable and*  
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*toxic gas.*

### 3. Composition/Information on Ingredients

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization:* Manganese-III-Ammonium Pyrophosphate. Pigment Violet 16, C.I. 77742

*Information on Components / Hazardous Ingredients:*

Ammonium manganese(3+) diphosphate, REACH No. 01-2119973495-24-0000	100 %	CAS-Nr: 10101-66-3 EINECS-Nr: 233-257-4 EC-Nr:
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*Additional information:*

### 4. First Aid Measures

#### 4.1. Description of the First Aid Measures

*General information:*

*Seek medical attention in case of complaints.*

*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 for at least 15 minutes.  
Consult physician.*

*After ingestion:*

*The product is not toxic.*

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

*Symptoms:*

*No further information available.*

*Effects:*

*No further information available.*

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

*Treatment:*

*Treat symptomatically.*

### 5. Fire-Fighting Measures

#### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*All extinguishing agents suitable.*

*Unsuitable extinguishing media:*

*None known.*

#### 5.2. Special Hazards arising from the Substance or Mixture

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*Special hazards:*

*In case of fire: formation of ammonia.*

**5.3. Advice for Firefighters**

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

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**6. Accidental Release Measures**

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

*Personal precautions:*

*Wear protective clothing.*

**6.2. Environmental Precautions**

*Environmental precautions:*

*Avoid contact with strong bases!*

*Prevent contamination of soils, drains and surface water.*

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

*Methods and material:*

*Take up mechanically and collect in suitable containers for disposal.*

**6.4. Reference to other Sections**

*See Section 13 for information on disposal.*

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**7. Handling and Storage**

**7.1. Precautions for Safe Handling**

*Instructions on safe handling:*

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

*Provide adequate ventilation.*

*Hygienic measures:*

*Keep away from foodstuffs and drinks.*

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

*Storage conditions:*

*Store in tightly sealed containers in a cool and well ventilated location.*

*Requirements for storage areas and containers:*

*No special measures necessary.*

*Information on fire and explosion protection:*

*Do not store together with: alkalis and inflammable products.*

*Storage class:*

*No information available.*

*Further Information:*

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### 7.3. Specific End Use(s)

*Further information:*

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## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

TRGS 900

TLV: 6 mg/m<sup>3</sup>, 3 mg/m<sup>3</sup> air-borne fraction (general dust limit)

TLV: 10 mg/m<sup>3</sup> inhalable fraction (general dust limit)

Top limit: 4

*Parameters to be controlled:*

OEL (GB, TWA): 10 mg/m<sup>3</sup> (8h; inhalable fraction)

OEL (GB): 4 mg/m<sup>3</sup> (8h)

*Derived No-Effect Level (DNEL):*

No values available.

*Predicted No-Effect Concentration (PNEC):*

No values available.

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

Provide adequate ventilation.

*Personal Protection*

*General protective measures:*

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

*Respiratory protection:*

Dust mask recommended when very dusty (with particle filter FFP1).

Respiratory protection required after contact with alkalis or in case of fire.

*Hand protection:*

Not required

*Protective glove material:*

*Eye protection:*

Safety glasses (EN 166)

*Body protection:*

Protective clothing.

*Environmental precautions:*

Do not allow entering sewerage system.

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## 9. Physical and Chemical Properties

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

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<i>Form:</i>	<i>powder</i>
<i>Color:</i>	<i>violet</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>2.5 - 4.7 (10% H<sub>2</sub>O)</i>
<i>Melting temperature:</i>	<i>not available</i>
<i>Boiling temperature:</i>	<i>not available</i>
<i>Flash point:</i>	<i>&gt; 200°C (390°F)</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not easily flammable</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>not applicable</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>2.7 - 2.9 g/cm<sup>3</sup></i>
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>no information available</i>
<i>Auto-ignition temperature:</i>	<i>not applicable</i>
<i>Decomposition temperature:</i>	<i>&gt; 400°C (750°F) (loss of ammonia)</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>Product does not present an explosion hazard.</i>
<i>Oxidizing properties:</i>	<i>No information available.</i>
<i>Bulk density:</i>	<i>not determined</i>

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### 9.2. Further Information

*Solubility in solvents:*

*Insoluble in organic solvents.*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

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### 10. Stability and Reactivity

#### 10.1. Reactivity

*Loss of ammonia above 400°C.*

#### 10.2. Chemical Stability

*This product is extremely stable up to 250°C.*

#### 10.3. Possibility of Hazardous Reactions

*Development of ammonia after contact with alkalis.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Protect from heat.*

*Thermal decomposition:*

*> 400°C*

#### 10.5. Incompatible Materials

*Strong alkalis.*

#### 10.6. Hazardous Decomposition Products

*Ammonia.*

#### 10.7. Further Information

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### 11. Toxicological Information

#### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*LD50, oral:*

*No information available.*

*LD50, dermal:*

*No information available.*

*LC50, inhalation:*

*No information available.*

*Primary effects*

*Irritant effect on skin:*

*Non irritating (rabbit)*

*Irritant effect on eyes:*

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*No information available.*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*No sensitizing effects known.*

*Mutagenicity:*

*Not mutagenic.*

*Reproductive toxicity:*

*No relevant data found.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No relevant data found.*

*Additional toxicological information:*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Fish toxicity:*

*No data available.*

*Daphnia toxicity:*

*No information available.*

*Bacteria toxicity:*

*no information available*

*Algae toxicity:*

*No information available.*

### 12.2. Persistency and Degradability

*No information available.*

### 12.3. Bioaccumulation

*No information available.*

### 12.4. Mobility

*No information available.*

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

*No data available.*

### 12.6. Other Adverse Effects

*Water hazard class:*

*1, slightly hazardous*

*Behaviour in sewage systems:*

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### *Further ecological effects:*

*Manganese violet pigments are extremely stable, except in alkali environment which releases ammonia.*

*Not considered to be environmentally harmful.*

### *AOX Value:*

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## **13. Disposal Considerations**

### **13.1. Waste Treatment Methods**

#### *Product:*

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

*These products cannot be disposed of were contact with alkalis is possible.*

#### *European Waste Code (EWC):*

#### *Uncleaned packaging:*

*Dispose of according to official local regulations.*

#### *Waste Code No.:*

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## **14. Transport Information**

### **14.1. UN Number**

*ADR, IMDG, IATA*

### **14.2. UN Proper Shipping Name**

#### *ADR/RID:*

*No hazardous goods according to ADR (land transportation).*

#### *IMDG/IATA:*

*No hazardous goods according to IMDG.*

### **14.3. Transport Hazard Classes**

#### *ADR Class:*

*not applicable*

#### *Hazard no.:*

#### *Classification code:*

#### *Tunnel restriction code:*

#### *IMDG Class (sea):*

#### *Hazard no.:*

#### *EmS No.:*

#### *IATA Class:*

*not applicable*

#### *Hazard no.:*

### **14.4. Packaging Group**

#### *ADR/RID:*

*not applicable*

#### *IMDG:*

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*IATA:*

14. 5. Environmental Hazards  
*None*
14. 6. Special Precautions for User  
*none known*
14. 7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code  
*not applicable*
14. 8. Further Information  
*Not classified as a dangerous good under transport regulations.  
Do not transport together with alkalis.*

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### 15. Regulatory Information

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

*Water hazard class:*

*1, slightly hazardous for water (German Regulation)*

*Local regulations on chemical accidents:*

*Employment restrictions:*

*Restriction and prohibition of application:*

*Avoid the contact with alkalis.*

*Technical instructions on air quality:*

15. 2. Chemical Safety Assessment

*A Chemical Safety Assessment is not necessary for this product.*

15. 3. Further Information

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### 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.*