

Safety Data Sheet

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



45350 Manganese Violet

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Revised edition: 10.02.2023

Version: 1.1

Printed: 26.10.2023

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

1.1. Product Identifier

Product Name: Manganese Violet

Article No.: 45350

UFI: --

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

Identified uses:

*Industrial use
Coloring agent, pigment*

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

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respiratory problems.

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

CAS-Nr: 10101-66-3

EINECS-Nr: 233-257-4

EC-Nr:

Kaolin

0 - 10 %

CAS-Nr: 1332-58-7

EINECS-Nr: 310-194-1

EC-Nr:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Seek medical attention in case of complaints.

First aiders: mind self-protection!

After inhalation:

Take affected person to fresh air.

In case of complaints consult a physician.

After skin contact:

Wash with soap and rinse with plenty of water.

If symptoms persist, consult a physician.

After eye contact:

Rinse eyes with water.

Seek medical attention if irritation persists.

After ingestion:

Rinse mouth with water and give small amount of water to drink.

Do not induce vomiting unless directed to do so by medical personnel.

If symptoms persist, call a physician.

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

Symptoms:

Eye contact: can cause mechanical irritation.

Inhalation (increased exposition): coughing, shortness of breath, feeling of tightness in the chest, sore throat.

Skin contact: the product is not irritant. Prolonged or repeated exposure may cause drying of the skin for persons with sensitive skin.

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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:

Use extinguishing media for surrounding fire.

Foam, carbon dioxide (CO₂), extinguishing powder, water mist.

Unsuitable extinguishing media:

Water with full jet.

5. 2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: formation of hazardous decomposition products are possible.

5. 3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

6. Accidental Release Measures

6. 1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear protective clothing.

Ensure adequate ventilation.

Avoid formation of dust.

6. 2. Environmental Precautions

Environmental precautions:

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.

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.

Avoid contact with eyes, skin and clothing.

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Hygienic measures:

Keep away from foodstuffs and drinks.

Facilities storing or utilizing this material should be equipped with an eyewash and shower facility.

Wash hands before breaks and after work.

Remove contaminated clothing before entering dining areas.

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:

Electrical installation/working materials must comply with the technological safety standards.

Information on fire and explosion protection:

Avoid dust formation.

Storage class:

13; Non combustible solids (TRGS 510)

Further Information:

Store in a dry place.

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

TRGS 900

C.I. Pigment Violet 16.77742 (CAS 10101-66-3), TLV: 0.02 mg/m³ (as Mn, airborne dust), 0.2 ml/m³ (as Mn, inhalable dust); 8(II)

Parameters to be controlled:

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.

Facilities storing or utilizing this material should be equipped with an eyewash and shower facility.

Personal Protection

General protective measures:

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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:

Required in case of insufficient ventilation.

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Eye protection:

Safety glasses (EN 166)

Body protection:

Protective clothing.

Environmental precautions:

Do not allow entering sewerage system.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

<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% H₂O)</i>
<i>Melting temperature:</i>	<i>not available</i>
<i>Boiling temperature:</i>	<i>not available</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not highly 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/cm³</i>

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<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>> 400°C (750°F)</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>

9.2. Further Information

<i>Solubility in solvents:</i>	
<i>Viscosity, kinematic:</i>	
<i>Burning class:</i>	
<i>Solvent content:</i>	
<i>Solid content:</i>	
<i>Particle size:</i>	<i>0.8 - 3.2 µm</i> <i>Laser-diffraction analysis, volume based</i>
<i>Other information:</i>	

10. Stability and Reactivity

10.1. Reactivity	<i>No decomposition if used according to specifications.</i>
10.2. Chemical Stability	<i>Stable if used according to specifications.</i>
10.3. Possibility of Hazardous Reactions	<i>None if handled and stored according to specifications.</i>
10.4. Conditions to Avoid	
<i>Conditions to avoid:</i>	<i>No information available.</i>
<i>Thermal decomposition:</i>	
10.5. Incompatible Materials	<i>None known.</i>
10.6. Hazardous Decomposition Products	<i>None if stored and handled according to specifications.</i>

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10.7. Further Information

11. Toxicological Information

11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

Acute Toxicity

LD50, oral:

C.I. Pigment Violet 16 (77742): LD50: 12900 mg/kg (rat, m/w)

LD50, dermal:

No information available.

LC50, inhalation:

No information available.

Primary effects

Irritant effect on skin:

No information available

Irritant effect on eyes:

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.

Aspiration hazard:

No information available.

11.2. Information on other Hazards

Endocrine Disrupting Properties:

This substance/mixture does not contain any components with endocrine disrupting properties in a percentage of 0.1 or greater, according to Article 57(f) of the REACH Regulation (EC) No. 1907/2006 or the Delegated Regulation (EC) 2017/2100 or the Delegated Regulation (EC) 2018/605.

12. Ecological Information

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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

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1 % or higher.

12.6. Endocrine Disrupting Properties

This substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) No. 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1 % or higher.

12.7. Other Adverse Effects

Water hazard class:

2 (German Regulation) (Assessment by list): hazardous.

Behaviour in sewage systems:

Further ecological effects:

Not considered to be environmentally harmful.

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

*Dispose of according to official national and local regulations.
Do not empty into drains. Avoid release into the environment.*

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 / DOT (US) (land transportation).

IMDG/IATA:

Not hazardous goods

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

not applicable

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

none known

14.7. Maritime Transport in Bulk according to IMO Instruments

not applicable

14.8. Further Information

Not classified as a dangerous good under transport regulations.

15. Regulatory Information

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

Water hazard class:

2, hazardous for water (according to the German Regulation

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AwSV)

Local regulations on chemical accidents:

Seveso III Directive: not applicable under Directive 2012/18/EC.

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

5.2.2.: Inorganic dusty substances

15.2. Chemical Safety Assessment

*A Chemical Safety Assessment is not necessary for this product.
REACH - Candidate List of Substances of Very High Concern for
Authorization (Article 59): not applicable*

15.3. Further Information

*EC. REACH, Annex XIV, Candidate List of Substances of very
High Concern (SVHC): not regulated / not applicable
Regulation (EC) 1005/2009 - Substances that Deplete the Ozone
Layer: not regulated / not applicable
Regulation (EC) 850/2004 - Persistent Organic Pollutants and
amending Directive 79/117/EEC: not regulated / not applicable
Directive 2010/75/EC on Industrial Emissions (VOC): not
applicable
Listed in the following inventories:
TSCA (US), AICS (AUS), DSL (CA), ENCS/ISHL (JP), KECI (KR),
PICCS (PH), INV (CH), IECSC (CN), NZIoC (NZ), TCSI/TECI
(TW)*

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.*