

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH)

Manganese Violet - 304



Version 7

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY UNDERTAKING

The information contained herein is specific to the following grades:

Manganese violet	:	
Uses	:	Manganese Violet is used as a colorant in plastics, paper, food contact packaging, inks, paints, cosmetics, ...
* Supplier	:	Michael Harding Art Formulas LTD
Address	:	Unit K Springvale Ind Est, Cwmbran, Torfaen, NP44 5BE Tel: +44(0)1633484700 accounts@michaelharding.co.uk

Europe Emergency phone number: +44(0)1633484700 between 08:30 - 16:30

2. HAZARD IDENTIFICATION

Classification

The products identified in Section 1 are Manganese Violet pigments. They are not classified as dangerous substances according to Regulation (EC) n°1272/2008.

Label elements

As with all clay minerals Manganese Violet can create a nuisance dust which may aggravate existing respiratory problems.

Other hazards

Contact with strong alkalis liberates ammonia, a flammable, toxic gas.

At temperatures above 400°C / 750°F ammonia is released.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component Chemical	:	Manganese Violet
Name Colour Index	:	Manganese ammonium
number CAS number	:	pyrophosphate Pigment Violet 16:
EC number	:	77742
	:	10101-66-3
REACH registration number :		233-257-4
		01-2119973495-24-0000

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4. FIRST AID MEASURES

Inhalation	:	Remove patient to fresh air
Skin Contact	:	Wash with soap and water
Eye Contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists seek medical attention This product is non-toxic
Ingestion	:	product is non-toxic

5. FIREFIGHTING MEASURES

Extinguishing media

Any convenient extinguishing medium is safe to use on this product

Specific hazards / protective equipment

Ammonia gas can be liberated if this product undergoes chemical change during a fire sustained by other materials.

Advice for firefighters

Suitable breathing apparatus should be worn

6. ACCIDENTAL RELEASE MEASURES

Protective Equipment : Refer to Section 8 for details

Personal Precautions : None necessary unless contact with acids or fire should occur, in which case self contained breathing apparatus should be worn.

Environmental Precautions : Avoid contamination of drains, surface water and groundwater.

Methods for Cleaning : Sweep up spillages. Do not wash large quantities into drains. Avoid contact with strong alkalis In case of accidental major discharge

7. HANDLING AND STORAGE

Protective Measures : Avoid dust formation, use an extractor and if necessary use a protective mask.

Storage : Store in a dry, well ventilated area. Do not store near strong alkalis or flammable materials.

Packaging Materials : PE sacks or drums

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONOEL (UK) : 10mg/m³, 8 hour TWA (inhalable dust)OEL (UK) : 4mg/m³, 8 hour TWA (respirable dust)

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Manganese Violet is considered non-toxic, the limits quoted are the UK limits for nuisance dusts. Consult local regulations before using this product.

- Respiratory Protection : Wear a suitable dust mask rated to EN149 FFP 1.
In the event of contact with acids or fire use self-contained breathing apparatus.
- Hand Protection : This product is non-irritating, therefore protection is not essential.
However it is recommended to use disposable nitrile or vinyl gloves when handling bulk quantities.
- Eye Protection : Safety eyewear rated to EN166. Use goggles in windy conditions. Wear
- Body Protection : overalls (cotton or polyester) when handling bulk quantities. Chemical resistant materials are not required.

Reminder: Technical measures including means of collective protection should be prioritized before resorting to personal protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : Fine violet powder
- Odour : None present 2.5 –
- pH (10% suspension) : 4.7
- Decomposition temp. : >400°C / 750°F ammonia or its combustion products may be released
- Flammability : >200°C / 390°F
- Explosive Limits : Dusts of Manganese pigments do not form explosive mixtures in air. 2.7
- Specific Gravity : – 2.9
- Solubility : Insoluble in water and organic solvents

10. STABILITY AND REACTIVITY

- Stability Conditions : Stable in air up to 250°C / 480°F
- to Avoid : At temperatures above 400°C/750°F in the presence of air an exothermic reaction can occur with the liberation of Ammonia gas.
Contact with strong alkalis liberates Ammonia gas.
- Decomposition Products : Ammonia - on contact with strong alkalis
Ammonia - in combustion

11. TOXICOLOGICAL INFORMATION

- Oral LD50 (rat) : no information
- Skin Irritation
- a. short term (rabbit) : no information
- b. long term (guinea pig) 6.25% conc : no information
- Mutagenicity : no information
- Teratogenicity : no information

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12 ECOLOGICAL INFORMATION

Manganese violet pigments pose no threat to the environment.

They are stable except under alkali conditions when they will decompose with the evolution of ammonia.

Biodegradability : not applicable

Bio-accumulation : not applicable

13 DISPOSAL CONSIDERATIONS

Method of Disposal : Dispose of in accordance with local and national regulations governing chemical waste.

Do not dispose waste in sewer systems. Other Information : Manganese pigments should not be washed into waste-water drains. Manganese pigments should not be disposed of where there is a risk of contact with strong alkalis.

14 TRANSPORT INFORMATION

Manganese pigments are not classified as dangerous substances for supply or transport under international regulations.

Do not transport with alkalis.

15 REGULATORY INFORMATION16 OTHER INFORMATION

Although Manganese pigments are non toxic, inhalation of dusts and powders should be avoided in the general interests of health and safety. Use dust extraction systems and wear a dust protection mask if necessary.

The revisions made since the previous report are indicated by an * next to the entry.

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The SDS has been written for the products listed in section 1 and must only be used for these products. If this product is used as a component in another product the information provided may no longer be applicable.