

# Safety Data Sheet

## Iridescent Violet– Luster Pigment

Revision date : 7/23/2014

Version: 1.1

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(30322276/SDS\_GEN\_US/EN)

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### 1. Product and Company Identification

Use: Colorants for art and industrial use

Company

Aardvark Colors

245 Kent Ave.

Brooklyn, NY 11249, USA

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

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### 2. Hazards Identification

**Emergency overview**

**WARNING:**

May cause cancer by inhalation.

Contains a suspect carcinogen.

MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

MAY CAUSE IRRITATION OF THE MOUTH, THROAT AND STOMACH.

Overexposure may cause CNS depression including headache, dizziness, nausea and loss of consciousness.

State of matter: solid

Colour: off-white

Odour: characteristic, solvent-like

**Potential health effects**

**Primary routes of exposure:**

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

**Irritation / corrosion:**

May cause irritations to the respiratory tract. Contact may result in eye irritation. Contact may result in skin irritation. Prolonged or repeated contact may result in dermatitis. Ingestion may cause gastrointestinal irritation, nausea, vomiting, diarrhea, weakness, and dizziness.

**Signs and symptoms of overexposure:**

No significant reaction of the human body to the product known.

**Potential environmental effects**

**Aquatic toxicity:**

At the present state of knowledge, no negative ecological effects are expected.

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### 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
12001-26-2	34.0 - 67.0 %	Mica-group minerals
1317-80-2	32.0 - 61.0 %	Rutile (TiO <sub>2</sub> )
64741-65-7	9.0 - 11.0 %	Odorless Mineral Spirits
1308-14-1	1.6 - 2.4 %	chromium(III)hydroxide
18282-10-5	0.2 - 2.0 %	Tin oxide (SnO <sub>2</sub> )

### 4. First-Aid Measures

**General advice:**

Remove contaminated clothing.

**If inhaled:**

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

**If on skin:**

Wash thoroughly with soap and water.

**If in eyes:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

**If swallowed:**

If swallowed, give at least 3-4 glasses of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Obtain medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.

**Note to physician**

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

### 5. Fire-Fighting Measures

Flash point: 53 °C (closed cup) Information applies to the solvent. The product does not burn self-sustainingly.

Autoignition: No data available.

Flammability: does not ignite

**Suitable extinguishing media:**

dry powder, foam

**Unsuitable extinguishing media for safety reasons:**

carbon dioxide

**Hazards during fire-fighting:**

toxic fumes, toxic vapours

**Protective equipment for fire-fighting:**

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**Further information:**

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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If exposed to fire, keep containers cool by spraying with water.

### 6. Accidental release measures

#### Personal precautions:

Avoid dust formation.

Wear appropriate respiratory protection. Use personal protective clothing. Ensure adequate ventilation.

#### Environmental precautions:

Do not empty into drains.

This product is not regulated by RCRA. This product is not regulated by CERCLA ('Superfund').

#### Cleanup:

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Pick up with suitable appliance and dispose of.

Spills should be contained and placed in suitable containers for disposal.

### 7. Handling and Storage

#### Handling

##### General advice:

Breathing must be protected when large quantities are decanted without local exhaust ventilation. Avoid contact with the skin, eyes and clothing.

Closed containers should only be opened in well-ventilated areas.

##### Protection against fire and explosion:

Sources of ignition should be kept well clear. Take precautionary measures against static discharges.

**See MSDS section 5 - Fire fighting measures. Prevent electrostatic charge accumulation.**

#### Storage

##### General advice:

Keep in a cool place. Keep container tightly closed. Keep container dry.

##### Storage incompatibility:

General advice: Segregate from incompatible substances.

### 8. Exposure Controls and Personal Protection

#### Components with workplace control parameters

Tin oxide (SnO <sub>2</sub> )	ACGIH	TWA value	2 mg/m <sup>3</sup> (tin (Sn));
Mica-group minerals	OSHA	TWA value	20 millions of particles per cubic foot of air ;
	ACGIH	TWA value	3 mg/m <sup>3</sup> Respirable fraction ;
chromium(III)hydroxide	OSHA	PEL	0.5 mg/m <sup>3</sup> (Chromium (Cr));

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### **Personal protective equipment**

#### **Respiratory protection:**

Observe OSHA regulations for respirator use (29 CFR 1910.134). Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

#### **Hand protection:**

Chemical resistant protective gloves

#### **Eye protection:**

Safety glasses with side-shields.

#### **General safety and hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation. Hands and/or face should be washed before breaks and at the end of the shift. Wash soiled clothing immediately.

## 9. Physical and Chemical Properties

Form:	powder	
Odour:	characteristic, solvent-like	
Colour:	off-white	
pH value:		not soluble
Melting point:		The substance / product decomposes.
onset of boiling:	approx. 150 °C	
Density:	2.47 g/cm <sup>3</sup>	(approx. 20 °C)
Relative density:	2.47	
Bulk density:	approx. 200 - 400 kg/m <sup>3</sup>	
Particle size:	D10 9 - 12 µm D50 16.9 - 19.9 µm D90 31.7 - 36.7 µm	
% volatiles:	approx. 10 %	
Solubility in water:		insoluble

## 10. Stability and Reactivity

#### **Conditions to avoid:**

Avoid extreme heat. Avoid all sources of ignition: heat, sparks, open flame.

#### **Substances to avoid:**

strong oxidizing agents, strong acids, strong alkalis

#### **Hazardous reactions:**

No hazardous reactions when stored and handled according to instructions.  
The product is chemically stable.

#### **Decomposition products:**

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

## 11. Toxicological information

### **Acute toxicity**

#### **Oral:**

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

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### Inhalation:

not determined

### Dermal:

not determined

### Sensitization:

No data available concerning sensitizing effects.

### Carcinogenicity

*Information on: Rutile (TiO<sub>2</sub>)*

*IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term studies in rats in which the substance was given by inhalation, a carcinogenic effect was observed. Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation. In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. Dermal exposure is not expected to be carcinogenic.*

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### Aspiration Hazard:

not applicable

### Other Information:

The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

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## 12. Ecological Information

### Degradability / Persistence Biological / Abiological Degradation

Evaluation: The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

### Other adverse effects:

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

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## 13. Disposal considerations

### Waste disposal of substance:

All waste materials should be reviewed to determine the applicable hazards (testing may be necessary). Dispose of in accordance with local authority regulations. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

### Container disposal:

Untampered packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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### 14. Transport Information

**Land transport**  
USDOT

Not classified as a dangerous good under transport regulations

**Sea transport**  
IMDG

Not classified as a dangerous good under transport regulations

**Air transport**  
IATA/ICAO

Not classified as a dangerous good under transport regulations

### 15. Regulatory Information

**Federal Regulations**

**Registration status:**

Chemical TSCA, US released / listed

**OSHA hazard category:**

IARC 1, 2A or 2B carcinogen; Chronic target organ effects reported; OSHA PEL established; ACGIH TLV established

**EPCRA 311/312 (Hazard categories):**

Acute; Chronic

**EPCRA 313:**

**CAS Number**

1308-14-1

**Chemical name**

chromium(III)hydroxide

**CERCLARQ**

10 LBS

**CAS Number**

1308-14-1

**Chemical name**

chromium(III)hydroxide

**State regulations**

**State RTK**

MA, NJ, PA

PA

NJ

MA

**CAS Number**

12001-26-2

1317-80-2

1308-14-1

18282-10-5

**Chemical name**

Mica-group minerals

Rutile (TiO<sub>2</sub>)

chromium(III)hydroxide

Tin oxide (SnO<sub>2</sub>)

### 16. Other Information

**NFPA Hazard codes:**

Health : 2

Fire: 2

Reactivity: 0

Special:

**HMIS III rating**

Health: 2<sup>α</sup>

Flammability: 2

Physical hazard: 0

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NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

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