

## Safety Data Sheet

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Product Name: Astro  
Product Type: Colorant  
Ingredients: Mica (43-47%), Titanium Dioxide (52-56%), Chromium Green Oxide (0-1%)

### ***Physical and Chemical Properties***

Form: powder  
Odor: odorless  
pH: 6.0-9.0 (4% H<sub>2</sub>O)  
Boiling point, °C: not applicable  
Melting point, °C: decomposes  
Freezing point, °C: not applicable  
Density: 3.2-3.3 kg/L  
Bulk density: 32-36 g/100g  
Vapor pressure: not applicable  
Solubility (in water): insoluble  
Particle size: 10-60µm

### ***Hazards Identification***

*Classification of the substance or mixture*  
According to Regulation (EC) No. 1272/2008(CLP): not classified  
According to Directive 67/548/EEC & Directive 1999/45/EC: not classified  
Additional information: not available

#### *Label elements*

GHS label elements: not applicable  
Hazard pictogram(s): not applicable  
Signal word(s): not applicable  
Hazard statement(s): not applicable  
Precautionary statement(s): not applicable  
Other hazards: not known

### ***First Aid Measures***

Inhalation: Move person to fresh air. Aid in breathing, if necessary, and get immediate medical attention  
Ingestion: If large quantities are ingested, seek medical advice. Not a hazard under normal use conditions.  
Skin Contact: Wash with soap and water. Get medical attention if irritation persists.  
Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

### ***Fire-Fighting measures***

Suitable extinguishing media: extinguish with water spray, foam or dry chemical  
Unsuitable extinguishing media: carbon dioxide  
Thermal hazards: noncombustible. None anticipated  
Advice for firefighters: fire fighters should wear complete protective clothing including self- contained breathing apparatus

### ***Spillage/Accidental Release Measures***

Personal precautions: do not breathe dust  
Personal protection equipment: wear appropriate personal protective equipment, avoid direct contact  
In case of emergency: a self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions  
Environmental precautions: do not allow to enter drains, sewers or watercourses  
Methods and material for containment and cleaning up: collect mechanically and dispose. Use vacuum equipment for collecting spilt materials, where practicable.

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### ***Handling and Storage***

Material may be slippery when wet. Store in cool dry place avoid breathing dust. Wash thoroughly after handling. Avoid contact with eyes. Use only with adequate ventilate on.

### ***Exposure Controls/Personal Protection***

Eye protective equipment: Safety glasses with side shields

Hand protection: Choosing the right material of gloves to be worn when handling the dust or preparation

Respiratory protection: Use a NIOSH/MSHA approved respirator as necessary to protect from dust

Skin protection: Use apron, boots or full protective suit

Ventilation: General ventilation, Local exhaust ventilation is recommended control exposures to within applicable limits.

### ***Stability and Reactivity***

Reactivity: there may be violent or incandescent reaction of the product with metals at high temperatures (e.g., aluminum, calcium, magnesium, potassium, sodium, zinc, lithium)

Chemical stability: stable under normal conditions

Possibility of hazardous reactions: none

Conditions to avoid: high temperature

Incompatible materials: strongly acidic, strongly alkaline, oxidizing agents

Decomposition products: no information available

### ***Toxicological Information***

This inorganic pigment in general is considered to be practically non-toxic

Acute Toxicity Inhalation: Not Available.

Carcinogenicity: Not available

### ***Ecological Information***

Toxicity: no data

Persistence and degradability: insoluble in water. This product is predicted not to degrade in soil and water

Bio-accumulative potential: no data

Mobility in soil: not applicable

Results of PBT and vPvB assessment: not applicable

Other adverse effects: not known

### ***Disposal Conditions***

US EPA Waste Number: Not Regulated

Disposal of Waste Method: This product, if disposed as received, is a non-hazardous waste. Local disposal laws and regulations will determine the proper waste disposal/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

### ***Transport Information***

International Transport Regulations:

UN/PIN Number: NONE

US Transportation Regulations:

DOT Classification: Not Regulated

Canadian Transportation of Dangerous Goods (TDG):

TDG Classification: Not Regulated

### ***Regulatory Information***

Mad Oils, Inc.  
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Riviera Beach, FL 33407



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According to Directive 67/548/EEC & Directive 1999/45/EC: not classified as dangerous for supply/use  
Safety, health and environmental regulations/legislations specific for the substance or mixture: not available

### **-Disclaimer-**

This safety data sheet is based on the properties of the material known to Mad Oils, Inc. at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment, Mad Oils, Inc. holds no responsibility. This document is not intended for quality assurance purposes.