

# MATERIAL SAFETY DATA SHEET

ColorFlakes™

## I. PRODUCT AND MANUFACTURER IDENTIFICATION

**Product Name** ColorFlakes™  
**Manufacturer** Torginol, Inc.  
**Address** 4617 South Taylor Drive  
Sheboygan, WI 53081  
U.S.A.  
**Emergency Phone** 1-800-688-4005 (VEOLIA ES)  
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**Date Revised** January, 2012

## II. HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

<u>Hazardous Components</u>	<u>CAS Number</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Concentration (%)</u>
Barium Sulfate*	7727-43-7	10 PPM	10 MG/M3	70 - 85%
Titanium Dioxide*	13463-67-7			0 - 10%
Proprietary Resins*	N/E			10 - 15%
Pigment(s)*	N/A			< 3%

\*No toxic chemical(s) subject to the reporting requirements of SARA Section 313 of Title III and of CFR 372 are present.

## III. PHYSICAL / CHEMICAL CHARACTERISTICS

<b>Boiling Point</b>	N/A	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	3.6
<b>Vapor Density</b>	Not volatile	<b>Appearance and Odor</b>	White/Colored; Odorless
<b>Coating V.O.C.</b>	Not volatile	<b>Melting Point</b>	N/A
<b>Material V.O.C.</b>	Not volatile	<b>Evaporation Rate</b>	N/A
<b>Solubility in Water</b>	Insoluble		

## IV. FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point</b>	N/A
<b>Flammable Limits</b>	N/A
<b>Extinguishing Media</b>	N/A
<b>Special Firefighting Procedures</b>	N/A
<b>Unusual Fire and Explosion Hazards</b>	None

\* No known fire hazards present.

## V. REACTIVITY DATA

<b>Stability</b>	Stable
<b>Conditions to Avoid</b>	Product is stable but decomposes at 600° liberating CO <sub>2</sub>
<b>Incompatibility</b>	None
<b>Hazardous Byproducts</b>	None
<b>Hazardous Polymerization</b>	Will not occur

## VI. HEALTH HAZARD DATA

### Inhalation Health Risks and Symptoms of Exposure

Mild bronchial irritation may occur.

### Skin and Eye Contact Health Risks and Symptoms of Exposure

This substance is not expected to cause prolonged or significant skin or eye irritation.

### Skin Absorption Health Risks and Symptoms of Exposure

May cause irritation.

## VI. HEALTH HAZARD DATA (CONTINUED)

### Ingestion Health Risks and Symptoms of Exposure

Large quantities may cause irritation to the mouth, throat and gastrointestinal tract resulting in nausea and vomiting.

### Health Hazards (Acute and Chronic)

*Acute Effects:* Causes mechanical skin and eye irritation.

*Chronic Effects:* Heavy extended industrial exposure to the dust of this product may produce benign pneumoconiosis, termed "baritosis". Mild bronchial irritation may occur.

**Carcinogenicity:** NPT? No IARC Monographs? No OSHA Regulated? No  
Not listed with NTP, IARC or OSHA as a known or suspected carcinogen.

### Medical Conditions Generally Aggravated by Exposure

Individuals with pulmonary and/or respiratory disease or subject to eye irritation, should be precluded from exposure.

### Emergency and First Aid Procedures

Wash dust from skin with soap and water. Flush out eyes with generous amounts of water for at least 15 minutes.  
See a physician.

## VII. PRECAUTIONS FOR SAFE HANDLING AND USE

### Steps to Be Taken in Case Material Is Released or Spilled

Normal clean-up procedures. Care should be taken to avoid causing dust to become airborne. Vacuum cleaning systems are recommended.

### Waste Disposal Method

Disposal must be made in accordance with Federal, State and Local regulations.

### Precautions to Be Taken in Handling and Storing

Take normal precautions against box/bag breakage or spills of bulk material. Avoid creation of respirable dust.

### Other Precautions

Use adequate ventilation and dust collection. Do not permit dust to accumulate in work area. Maintain and use proper and clean respiratory equipment. Clean clothing which has become contaminated.

## VIII. CONTROL MEASURES

### Respiratory Protection

Use of dust respirator recommended when exposure limits may be exceeded.

### Ventilation

Local exhaust ventilation to collector or containment recommended to control dust below exposure limit.

### Protective Gloves

Leather or rubber gloves.

### Other Protective Clothing or Equipment

As appropriate in light of specific application.

### Work/Hygenic Practices

Good industrial hygiene practices required. Adequate ventilation and personal respiratory protection should be employed.

## IX. DISCLAIMER

### Disclaimer

The information contained herein is based on the data available to us and is believed to be correct. Torginol, Inc. makes no warranty expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Torginol, Inc. assumes no responsibility for injury, loss or damage from the use of the product described.

N/A = Not Applicable

N/D = Not Determined

N/E = Not Established