

# Material Safety Data Sheet

## Section 1. Product Identification and Use

Product Name - Trade Name **194-735 SHIMMER GOLD**  
Supplier - Manufacturer **Chemcraft International Inc.,**  
155 Rose Glen Road North  
P.O. Box 458  
Port Hope, ON.  
Canada L1A 3Z3  
Telephone (905) 885-6388 Fax (905) 885-5097  
In case of Emergency (905) 885-6388, (800) 263-7951

### For Transport Emergency or After Hours

CANUTEC (613) 996-6666

**Code** 194-735  
**Synonym** SHIMMER GOLD  
**Chemical Name** Not applicable.  
**Chemical Family** Coloring material.  
**Chemical Formula** Not applicable.  
**Material Uses** Coatings: Surface coatings and finishes.  
**Product Identification Number (PIN)** Not regulated.

## Section 2. Hazardous Ingredients

### Exposure Limits

Name	CAS #	% by Weight	LC <sub>50</sub> /LD <sub>50</sub>	TLV/PEL
Mica	12001-26-2	60-100	Not available.	<b>ACGIH (Canada).</b> TWA: 3 mg/m <sup>3</sup>
Ferric oxide	1309-37-1	5-10	Not available.	Not available.

Trace impurities and additional material names not listed above may appear in other sections of this MSDS. These materials may be listed for toxicological concerns, local compliance, or other reasons.

## Section 3. Physical Data

**Physical State and Appearance** Solid.  
**Color** Light. **Odor** Not available. **Taste** Not available.  
**Molecular Weight** Not applicable.  
**pH (1% soln/water)** Not applicable.  
**Boiling Point** Not available.  
**Melting Point** 1855°C (3371°F) based on data for: Titanium dioxide (TiO<sub>2</sub>). Weighted average: 1562°C (2843.6°F)  
**Critical Temperature** Not available.  
**Specific Gravity** Weighted average: 4.4 (Water = 1)  
**Vapor Pressure** The highest known value is 0 kPa (0 mmHg) (at 20°C) (Titanium dioxide (TiO<sub>2</sub>)).  
**Vapor Density** Not available.  
**Volatility** Not available.  
**Odor Threshold** Not available.  
**Water/Oil Dist. Coeff.** Not available.

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Ionicity (in Water)	Not available.
Dispersion Properties	Not available.
Solubility	Insoluble in cold water.

#### **Section 4. Fire and Explosion Hazard**

The Product is:	Non-flammable.
Fire Hazards in Presence of Various Substances	Not applicable.
Fire Fighting Media and Instructions	Not applicable.
Special Remarks on Fire Hazards	Not available.
Flash Points	Not applicable.
Flammable Limits	Not applicable.
Auto-Ignition Temperature	Not applicable.
Products of Combustion	Some metallic oxides.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Special Remarks on Explosion Hazards	Not available.

#### **Section 5. Reactivity Data**

Stability	The product is stable.
Decomposition products	Not available.
Conditions of Instability	Not available.
Incompatibility with various substances	Not available.
Corrosivity	Not available.
Special Remarks on Reactivity	Not available.
Special Remarks on Corrosivity	Not available.

#### **Section 6. Toxicological Properties**

Routes of Entry	Not available.
Toxicity to Animals	Acute oral toxicity (LD50): >24000 mg/kg [Rat]. (Titanium dioxide (TiO <sub>2</sub> )). Acute toxicity of the dust (LC50): >6820 mg/m <sup>3</sup> 4 hour(s) [Rat]. (Titanium dioxide (TiO <sub>2</sub> )).
Effects of Acute Exposure	No specific information is available in our database regarding the acute toxic effects of this material for humans.
Chronic Effects on Humans	<b>CARCINOGENIC EFFECTS:</b> Classified 4 (Probably not for human.) by IARC, None. by OSHA [Titanium dioxide (TiO <sub>2</sub> )]. <b>MUTAGENIC EFFECTS:</b> Not available. <b>TERATOGENIC EFFECTS:</b> Not available. <b>DEVELOPMENTAL TOXICITY:</b> Not available. The substance is toxic to lungs. Repeated or prolonged exposure to the substance can produce target organs damage.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Not available.
Exposure Limits	Not available.

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## Section 7. Preventive Measures

<b>Personal Protection</b>	Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Chemical resistant gloves, such as Norfoil should be used when handling this product. Please consult a Glove Manufacturer for alternate choices.	
<b>Personal Protection in Case of a Large Spill</b>	Splash goggles. Full suit. Dust respirator. Boots. Chemical resistant gloves, such as Norfoil should be used when handling this product. Please consult a Glove Manufacturer for alternate choices. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.	
<b>Engineering Controls</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.	
<b>Small Spill</b>	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.	
<b>Large Spill</b>	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.	
<b>Waste Disposal</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.	
<b>Precautions</b>	Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label.	
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area.	
<b>TDG Classification</b>	-	
<b>PIN</b>	Not regulated.	<b>PG:</b>
<b>Special Provisions for Transport</b>		
<b>Federal and State Regulations</b>	TSCA 8(b) inventory: Afflair 363 Sparkle Gold	
<b>Other Regulations</b>	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).	
<b>Other Classifications</b>	<b>WHMIS (Canada)</b>	<b>Not controlled under WHMIS (Canada).</b>
	<b>HCS (U.S.A.)</b>	Class: Target organ effects.
<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health Hazard</b>	* 1
	<b>Fire Hazard</b>	0
	<b>Reactivity</b>	0
	<b>Personal Protection</b>	E
<b>National Fire Protection Association (U.S.A.)</b>	<b>Health</b>	1
	<b>Fire Hazard</b>	0
	<b>Reactivity</b>	0
	<b>Specific Hazard</b>	

## Section 8. First Aid Measures

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
<b>Hazardous Skin Contact</b>	Not available.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
<b>Hazardous Inhalation</b>	Not available.

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<b>Ingestion</b>	Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
<b>Hazardous Ingestion</b>	Not available.

## **Section 9. Preparation Information**

<b>References</b>	-Manufacturers Material Safety Data Sheets.
<b>Other Special Considerations</b>	Not available.
<b>Related Information</b>	This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.
<b>Preparation Information</b>	<b>Validated by C.M. Kelly on 10/29/2002.</b> <b>Verified by C.M. Kelly.</b> <b>Printed 4/19/2004.</b>
<b>Information Contact</b>	Prepared by the Health, Safety and Environment Department, Chemcraft International Inc., P.O. Box 458, 155, Rose Glen Road North, Port Hope, ON. Canada. Phone: 905 885-6388 Fax: 905 885-5097

### **Notice to Reader**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*