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## MATERIAL SAFETY DATA SHEET

**PRODUCT: Immersion Gold CF Part B**

Issue Date: April 2004

24 Hour Emergency Phone: 1-800-424-9300

### SECTION 1: PRODUCT IDENTIFICATION

TRADE NAME: Immersion Gold CF Part B

CHEMICAL FAMILY: Sulfite

FORMULA: Proprietary Mixture

HMIS RATING:

1 Health                      0 Flammability  
1 Reactivity                - Other

(0 = insignificant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme)

### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS#	% By Weight
Sodium Gold Sulfite	19153-98-1	< 10 TLV for SO <sub>2</sub> = 5 mg/m <sup>3</sup> (ACGIH)
Na <sub>3</sub> Au(SO <sub>3</sub> ) <sub>2</sub>		

This material is not regulated as a toxic chemical under Section 313 of Title III/SARA and 40 CFR, Part 372.

This product is not regulated by the California Proposition 65 list.

All ingredients are listed in the TSCA inventory.

For purposes of the New Jersey Right to Know Law, the contents are partially unknown.

### SECTION 3: PHYSICAL DATA

DENSITY	1.08 g/cc	FLASH POINT	NA
FORM	Liquid	VOLATILE %	Not Determined
SPECIFIC GRAVITY	1.08	MELTING POINT	NA
PH	9	BOILING POINT	> 212 °F / 100 °C
FREEZING POINT	< 32° F / 0° C		
CHEMICAL OXYGEN DEMAND (COD)	Not Determined		
SOLUBILITY IN WATER	Completely Solubility		
COLOR/ODOR	Clear, colorless liquid, no odor		

#### **SECTION 4: FIRE AND EXPLOSION DATA**

**FLASH POINT:** N/A--non-flammable

**EXTINGUISHING MEDIA:** Use media appropriate for surrounding fire

**Unusual Fire and Explosion Hazards:** Unknown. Wear self-contained breathing apparatus and protective clothing. May emit toxic fumes under fire conditions.

#### **SECTION 5: FIRST AID DATA**

**EYES:** Immediately flush with large quantities of water for at least 15 minutes and call a physician.

**SKIN:** Flush with large amounts of water for at least 15 minutes. Wash with soap and water. Remove contaminated clothing.

**INGESTION:** If conscious, immediately give 2-4 glasses of water or milk and induce vomiting. Seek immediate medical attention by physician.

**INHALATION:** Remove victim to fresh air. Seek medical attention.

**Caution:** If unconscious - having trouble breathing - or in convulsions do not induce vomiting or give water.

Always clean contaminated clothing and gear prior to reuse. NEVER administer anything to an unconscious person.

#### **SECTION 6: HEALTH EFFECTS DATA**

Primary Routes of Exposure: Eye, Skin, Inhalation and Ingestion

**EYE CONTACT:** Mist will irritate and burn the eyes.

**SKIN CONTACT:** Absorbed through skin. Mist may irritate and burn the skin after prolonged contact. May cause allergic reactions.

**INGESTION:** Irritation of the gastrointestinal tract. Moderate toxin. May cause severe allergic reactions in some asthmatics and sulfite sensitive people. May cause violent colic and diarrhea, circulatory disturbance, central nervous system depression, and even death in large amounts. Stomach pain, vomiting, and diarrhea may result.

**INHALATION:** May cause irritation, burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.

Repeated exposure may cause asthma. Exposure may cause damage to the kidneys and liver.

Inhalation may be fatal as a result of spasm, inflammation, and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema.

Not a suspected cancer agent.

#### **SECTION 7: PERSONAL PROTECTIVE DATA**

**Respiratory Protection:** If there is a value for OSHA-PEL/ACGIH-TLV in Section 13 and it is exceeded, it is recommended that a NIOSH approved respirator be used. Consult with your industrial hygienist for appropriate cartridge selection and use. See Sec. 29 CFR 1910.134 for details. For large spills, entry into large tanks, vessels or enclosed small spaces with inadequate ventilation, a pressure demand, self-contained breathing apparatus is recommended.

**Ventilation:** General ventilation is recommended. Additionally, local exhaust ventilation is recommended where vapors, dusts, mists or aerosols may be released.

**Protective Equipment:** Chemically resistant apron, boots and gloves. The availability of a safety shower is recommended. If clothing is contaminated remove clothing and thoroughly wash the affected body area. Launder contaminated clothing before reuse. Safety glasses and/or splash proof goggles, face shields and the availability of an eye wash is recommended. Consult with your safety professional/industrial hygienists for specific information regarding applications at your facility. These are general recommendations to provide a safe level of protection for various material handling conditions. Consult with you safety professional/industrial hygienist for specific information regarding applications at your facility.

### SECTION 8: TOXICOLOGY DATA

**Toxic Studies:** Sodium sulfite has been determined to be mutagenic to microbial systems; at present it is not a known mutagen to insects, animals, or humans. Toxicity studies have not been conducted on this product. However toxicity literature surveys have been conducted on the ingredient(s) in section 2. The results are as follows:

**Acute Oral Toxicity:** Unknown

**Acute Dermal Toxicity:** Unknown

**Acute Respiratory Toxicity:** Unknown

**Listed as suspected carcinogen by:**

**IARC:** NO

**NTP:** NO

**OSHA:** NO

### SECTION 9: REACTIVITY DATA

**Incompatibility:** Strong oxidizers cause vigorous exothermic reactions. Acids release sulfur dioxide gas.

**Hazard Decomposition Products:** Oxides of sulfur; carbon oxides; nitrogen oxides; sodium sulfite residue.

**Stability:** Stable

**Conditions to Avoid:** Unknown

**Hazardous Polymerization:** No hazardous polymerization.

### SECTION 10: SPILLS AND DISPOSAL DATA

(In case of transportation accidents, call the following number: CHEMTREC 1-800-424-9300)

**Spill Control and Recovery:** Wear protective clothing and equipment. Absorb spills on an inert material such as dry-lime, soda ash, or sand. Sweep up and dispose of in accordance with federal, state and local regulations. Evacuate and ventilate area. Wash spill site with water.

**Disposal:** Dispose of in accordance with all applicable federal, state and local regulations.

Due to more restrictive waste disposal regulations, NEVER waste-treat or dispose of material until you check your appropriate local, state and federal regulations for requirements.

### SECTION 11: TRANSPORTATION DATA

**D.O.T. Proper Shipping Name:** Chemicals N.O.S. non-regulated.

### SECTION 12: GENERAL STORAGE DATA

**Storage Temperature:** Maximum 140° F Minimum: 50° F

Material should be stored in the properly sealed original container. Wear protective clothing and equipment while handling.

SECTION 9: FIRE AND EXPLOSION DATA

**SECTION 13: USER NOTIFICATION**

To the best of our knowledge the Information contained herein is correct. All chemicals may present unknown health hazards and should be used *with* caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. Users of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HERE UNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REFERS

SECTION 10: HEALTH EFFECTS DATA

Caution: If unconscious - having trouble breathing - or convulsions - do not breathe vapors. Always clean contaminated clothing and gear prior to reuse. NEVER wear contaminated clothing and gear to another person.

SECTION 11: REACTIVITY DATA

Primary Routes of Exposure: Eye, Skin, Inhalation and Ingestion. EYE CONTACT: May cause irritation. SKIN CONTACT: May cause irritation. INGESTION: May cause irritation.

SECTION 12: SPILLS AND DISPOSAL DATA

Spills: Clean up spills immediately. Do not breathe vapors. Do not get in eyes, on clothing, or on skin. Wash exposed areas thoroughly with water. Dispose of in accordance with all applicable federal, state and local regulations.

SECTION 13: PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: If there is a leak or spill, use an NIOSH approved respirator. Eye Protection: Wear safety glasses. Skin Protection: Wear protective clothing and gloves.

SECTION 14: GENERAL STORAGE DATA

Storage Temperature: Maximum 140°F, Minimum 50°F. Material should be stored in the properly sealed original container. Wear protective clothing and equipment while handling.