



SAFETY DATA SHEET

10BM235 Gold Paste

Revision Date: 18-Oct-2018

1: IDENTIFICATION

Product Name: 10BM235 Gold Paste
Product Code: 10BM235
Recommended Use: For use in industrial installations only

Manufacturer: In-Line Finishing Solutions
1000 N. Lake shore Plaza
Unit 53A
Chicago, IL 60611
Tel. 01-847-774-8899
Fax. 01-312-643-2151

Emergency Number: Tel. 01-630-860-7070

2: HAZARD(S) IDENTIFICATION

Physical Hazard Classification: This product has no physical hazard classification according to the Globally Harmonized System (GHS).

Health hazard classifications: Acute Toxicity, Oral (Category 4)
Acute Toxicity, Dermal (Category 4)
Skin Corrosion/Irritation (Category 2)
Skin Sensitizer (Category 1)
Eye Damage/Irritation (Category 2A)
Acute Toxicity, Inhalation (Category 4)

Environmental Hazard Classification: Extremely harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Other Hazard(s): Irritating to eyes and skin. Causes respiratory and skin sensitization. Primary routes of exposure are eye contact, skin contact, inhalation and ingestion.

Signal Word: WARNING



Hazard Statements

H302: Harmful if swallowed
H315: Causes skin irritation
H319: Causes serious eye irritation

H312: Harmful in contact with skin
H317: May cause an allergic skin reaction
H332: Harmful if inhaled

Precautionary Statements

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P270: Do not eat, drink or smoke when using this product.
P272: Contaminated work clothing should not be allowed out of the workplace.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.

P264: Wash skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P501: Dispose of contents/container in accordance with all local/regional/national/international regulations.

**3: COMPOSITION / INFORMATION ON INGREDIENTS**

| Component | CAS Number | Wt % | Class |
|--------------------------------|------------|-------------|-------|
| 1,6-Hexanedioldiacrylate | 13048-33-4 | 40.0 - 50.0 | |
| Toluene (Methylbenzene Toluol) | 108-88-3 | 0.1 - 0.5 | |
| Xylene | 1330-20-7 | 0.1 - 0.5 | |
| DISPERSANT | | 0.1 - 0.5 | |

4: FIRST AID MEASURES**Description of first aid measures:**

| | |
|---|--|
| Eye Contact: | Immediately flush with copious amounts of water for at least 15 minutes while holding eyelids open. Washing within one minute is essential to achieve maximum effectiveness. Seek medical attention. |
| Skin Contact: | Wash immediately with soap and water for at least 15 minutes. Remove contaminated clothing and footwear. Wash clothing before reuse and discard footwear which cannot be decontaminated. If irritation should develop, seek medical attention. |
| Ingestion: | Seek medical attention. Do not induce vomiting. If vomiting should occur spontaneously, keep airway clear. Never give anything by mouth to an unconscious person. |
| Inhalation: | Remove subject to fresh air. If symptoms persist, seek medical attention. |
| Most important symptoms and effects, both acute and delayed: | No information available. |
| Indication of any immediate medical care and special treatment needed: | No information available. |

5: FIRE FIGHTING MEASURES

| | |
|---|---|
| Extinguishing Media: | |
| Suitable Extinguishing Media: | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Foam, carbon dioxide, dry chemical, water spray. |
| Unsuitable Extinguishing Media: | No information available. |
| Specific Hazards Developing from Chemical or Mixture: | Product may polymerize at high temperatures. Polymerization is a highly exothermic reaction and may produce sufficient heat to cause thermal decomposition and/or rupture of containers. When exposed to fire, produces normal products of combustion (e.g. carbon dioxide, carbon monoxide, other toxic vapors). |
| Special Protective Equipment and Precautions for Firefighters: | Wear self-contained breathing apparatus and protective suit. Cool exposed containers with water spray. |

6: ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal Precautions: | Ensure adequate ventilation. Avoid contact with skin and eyes by wearing recommended personal protective equipment. Wash thoroughly after handling. Product may aggravate existing skin, eye and lung conditions. |
| Emergency Procedures: | Do not let spilled or leaking material enter watercourse. Notify appropriate authorities if entry occurs. |
| Methods and Materials for Containment: | Contain spills immediately with spill socks and inert materials (e.g. sand, sawdust, vermiculite). |
| Cleanup Procedures: | Absorb with inert materials (e.g. sand, sawdust, vermiculite). Sweep or scrape up small spills. Place in a container for disposal. Clean up large spills with vacuum truck. Rinse affected area(s) thoroughly with mild alcohols. |

7: HANDLING AND STORAGE

Handling: Avoid contact with the skin and eyes by wearing recommended personal protective equipment. Ensure adequate ventilation. Avoid breathing vapors, mist or dust. Do not eat, drink or smoke in the work area. Allow to warm to room temperature and mix well before using. Wash thoroughly after handling

Storage: Keep container tightly closed. Keep from freezing. Product may congeal or stratify if subjected to below freezing temperatures. Do not store above 90F (32C). Store in a cool, shaded, well-ventilated, dry area away from heat and sunlight. Store away from foodstuffs, alkaline substances, and other materials likely to initiate polymerization.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Controls

| Component | ACGIH TLV | OSHA PEL |
|--------------------------------|-----------------|---------------------|
| Toluene (Methylbenzene Toluol) | 20 ppm | 200 ppm, CL 300 ppm |
| Xylene | 100 ppm | 100 ppm |
| 1,6-Hexanedioldiacrylate | Not Established | Not Established |
| DISPERSANT | Not Established | Not Established |

Personal Protection



Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Respiratory Protection: No protective equipment is needed under normal conditions of use. If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respirator and/or additional ventilation may be required.

Eye Protection: Goggles are recommended.

Skin and Body Protection: Wear neoprene gloves and protective clothing that are impervious to acrylates.

Hygiene Practices: When using, do not eat, drink or smoke. Use good personal hygiene practices. Remove and wash contaminated clothing before re-use.

Special Requirements: No special requirements under normal conditions of use.

9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------------------|---------------------------------|--|--------------------------|
| Odor Threshold: | Not Determined | Density (lb/gal): | 10.57 |
| pH: | Not Determined | Relative Density: | 1.27 |
| Melting Point: | Not Determined | Solubility in Water: | Not soluble. |
| Freezing Point: | Not Determined | Partition Coefficient: | Not Determined |
| Boiling Point/Range: | Not available. | Auto-ignition temp: | Not Determined |
| Flashpoint: | >200 Deg. F | Decomposition Temp: | Not Determined |
| Evaporation Rate: | Not Determined | Viscosity: | See Technical Data Sheet |
| Flammability: | Not Determined | Solvent by Weight (%): | 0.48 |
| Flammability - Upper: | Not Determined | Product VOC (lb/gal) (via Method 24): | 0.05 |
| Flammability - Lower: | Not Determined | | |
| Vapor Pressure (mmHG): | Not Determined | | |
| Vapor Pressure (AIR=1): | Not Determined | | |
| Vapor Density: | Not Determined | | |
| Appearance and Odor: | Gold liquid with acrylate odor. | | |



10: STABILITY AND REACTIVITY

| | |
|--|---|
| Reactivity: | No information available. |
| Chemical Stability: | Normally stable. |
| Hazardous Polymerization: | May occur. |
| Conditions to Avoid: | Direct heating, dirt or chemical contamination, sunlight, ultraviolet light, or ionizing radiation. When it is required to warm product, a controlled temperature not exceeding 120F (49C) may be used for limited periods. |
| Materials to Avoid: | Primary and secondary amines, acids, alkalies, and free radical producing initiators. |
| Hazardous Decomposition Products: | When exposed to fire, produces normal products of combustion (e.g. carbon dioxide, carbon monoxide, other toxic vapors). |

11: TOXICOLOGICAL INFORMATION

| | |
|-----------------------------------|---------------------------|
| Likely Routes of Exposure: | No information available. |
| Effects: | No information available. |
| Toxicity: | No information available. |
| Symptoms: | No information available. |
| Carcinogenicity: | No information available. |

12: ECOLOGICAL INFORMATION

| | |
|---------------------------------------|---|
| Ecotoxicity Effects: | Extremely harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| Persistence and Degradability: | No information available. |
| Bioaccumulative Potential: | No information available. |
| Mobility: | No information available. |

13: DISPOSAL CONSIDERATIONS

| | |
|---|--|
| Appropriate Disposal Containers: | Salvage drum, poly-lined drum or equivalent. |
| Waste Disposal Methods: | Dispose of in accordance with all applicable federal, state and local regulations regarding the disposal of non-hazardous materials. |
| Properties Affecting Disposal: | Do not discharge into drains/sewers. Treat as industrial waste. |
| Special Precautions: | Do not allow material to enter watercourse. Since empty containers retain product residues, all labeled hazard precautions must be observed. |

14: TRANSPORTATION INFORMATION

| | |
|----------------------------|---|
| ROAD/RAIL 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

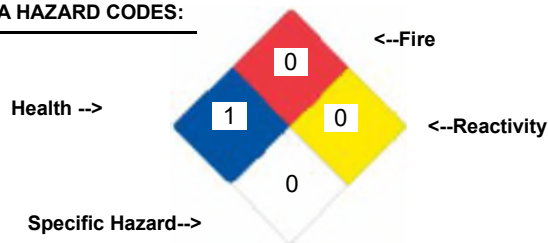
SARA 313

| Component | CAS Number | WT % |
|--|------------|-----------|
| Toluene (Methylbenzene Toluol) | 108-88-3 | 0.2 - 0.5 |
| Xylene | 1330-20-7 | 0.2 - 0.5 |
| Ethylbenzene | 100-41-4 | <=0.1 |
| 2-methyl-1-propanol (Isobutyl Alcohol) | 78-83-1 | <=0.05 |
| Benzene | 71-43-2 | <=0.001 |

TSCA (USA TOXIC SUBSTANCE CONTROL ACT)

Components listed

NFPA HAZARD CODES:



STATE REGULATIONS

This product complies with the US Coalition of Northeast Governors (CONEG). The sum of the heavy metals Lead, Cadmium, Mercury and Hexavalent Chromium is less than 100 ppm.

WARNING: This product contains a chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm.

GLOBAL REGULATIONS:

CHEMICAL INVENTORY STATUS

| | |
|----------------------|-----------------------|
| AICS (Australia): | Status not determined |
| DSL (Canada): | Status not determined |
| ECL (Korea): | Status not determined |
| EINECS (Europe): | Status not determined |
| ENCS (Japan): | Status not determined |
| IECSC (China): | Status not determined |
| NZIoC (New Zealand): | Status not determined |
| PICCS (Philippines): | Status not determined |
| TSCA (USA): | Components listed |

16: OTHER INFORMATION

R-Phrase(s)

- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- This material and its container must be disposed of in a safe way
- Refer to manufacturer/supplier for information on recovery/recycling



Avoid release to the environment. Refer to special instructions/safety data sheet

SDS STANDARD:

This SDS - Safety Data Sheet / Formerly MSDS or Material Safety Data Sheet is prepared as outlined by US-OSHA's Hazard Communication Standard (29 CFR 1910.1200 (g) and Appendix D of 29 CFR 1910.1200) and may change as full implementation of the Global Harmonized System (GHS) is not required until June 1, 2015.

ABBREVIATIONS and ACRONYMS:

- ACGIH - American Conference of Industrial Hygienists
- CAS - Chemical Abstracts Service
- CERCLA - Comprehensive Environmental Response, Compensation and Liability Act
- DOT - Department of Transportation
- GHS - Globally Harmonized System of Classification and Labeling of Chemicals
- HMIS - Hazardous Materials Information Identification System
- IATA - International Air Transport Association
- ICAO - International Civil Aviation Organization
- IMDG - International Maritime Code for Dangerous Goods
- NFPA - National Fire Protection Association
- NIOSH - National Institute for Occupational Safety and Health
- OEL - Occupational Exposure Limit
- OSHA - Occupational Safety and Health Administration
- PEL - Permissible Exposure Limit
- PPE - Personal Protective Equipment
- RTK - Right to Know
- TLV - Threshold Limit Value
- TWA - Time-weighted Average
- WHMIS - Workplace Hazardous Materials Information System

DISCLAIMER:

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate, but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user.

END OF SAFETY DATA SHEET

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