

Laser Bits

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Material Safety Data Sheet

MSDS Date: 10/4/05

SECTION I – PRODUCT IDENTIFICATION

Hazardous Ingredients (See Sec II)

Laser Bits: Black	4, 10, 11
Laser Bits: Blue	5, 9, 10, 11
Laser Bits: Bronze	3, 5, 7, 8, 10, 11
Laser Bits: Copper	7, 8, 10, 11
Laser Bits: Gold	7, 8, 9, 10, 11
Laser Bits: Silver	6, 8, 9, 10, 11
Laser Bits: Red	10, 11
Laser Bits: White	1, 2, 9, 10, 11

SECTION II – HAZARDOUS INGREDIENTS

	<u>Chemical Name</u>	<u>CAS #</u>	<u>OSHA PEL</u>
1	Aluminum Hydroxide	21645-51-2	-
2	Amorphous Silica	7631-86-9	6 mg/m ³
3	Barium Sulfate	7727-43-7	10 mg/m ³
4	Carbon Black	1333-86-4	3.5 mg/m ³
5	Copper	7440-50-8	1 mg/m ³
6	Graphite (natural)	7782-42-5	2.5 mg/m ³
7	Iron Oxide	1309-37-1	10 mg/m ³
8	Mica	12001-26-2	3 mg/m ³
9	Titanium Dioxide	13463-67-7	10 mg/m ³
10	Propylene Glycol	57-55-6	-
11	Ammonia	7664-41-7	35 ppm (STEL)

SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point:	>100 C	Specific Gravity:	1.0 – 2.2
Vapor Density:	Heavier than air	Evaporation Rate:	Slower than ether
V.O.C (max g/L):	<u>Actual</u> All Colors 126	<u>Less Water</u>	281
Solubility in H₂O:	Dilutable		
Appearance and Odor:	Appearance will vary due to pigments. Odor will be a slight ammonia odor, if any.		

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point:	N/A	Method Used:	N/A
Flammable Limits:	Lower: N/A	Upper:	N/A
Extinguishing Media:	Foam, Carbon Dioxide, Dry Chemical, Water Spray		

Special Firefighting Procedures:

Wear self-contained breathing apparatus and full protective gear.

Unusual Fire and Explosion Hazards:

Decomposition and combustion products may be toxic. Material can splatter above 100 C. Dried paint film can support combustion.

SECTION V – REACTIVITY DATA

Stability:	Stable
Conditions to avoid:	None known
Incompatibility:	May react with strong oxidizers
Hazardous Decomposition Products:	Thermal decomposition will yield oxides of carbon and nitrogen and monomer fume.
Hazardous Polymerization	Will not occur.

SECTION VI – HEALTH HAZARD DATA

Inhalation Health Risks and Symptoms of Exposure:

Exposure to excessive concentrations of dust (from sanding dried film) may cause irritation of the upper respiratory tract. Chronic health effects may result from inhalation of high levels of any nuisance dust of long periods of time making lungs more susceptible to respiratory diseases. Irritation of nose, throat, and lungs is associated with exposure to high levels of ammonia.

Eye Contact Health Risks and Symptoms of Exposure:

May cause eye irritation.

Skin Contact Health Risks and Symptoms of Exposure:

Prolonged or repeated contact can cause irritation.

Ingestion Health Risks and Symptoms of Exposure:

May cause irritation or pain to the gastrointestinal system.

Carcinogenicity: **Carbon Black –WARNING:** *This product contains a chemical known to the State of California to cause cancer. IARC classification of Group 2B, possibly carcinogenic to humans.*

Medical Conditions Generally Aggravated by Exposure:

Pre-existing skin, eye, or respiratory conditions may be aggravated by exposure

Emergency and First Aid Procedures:

Eye Contact	Flush with water for 15 minutes. If symptoms persist seek medical attention
Skin Contact	Wash with soap and water. Remove contaminated clothing. Seek medical attention for irritation.
Inhalation	Remove subject to fresh air. Give artificial respiration if breathing has stopped. Seek medical attention.
Ingestion	If swallowed, dilute by giving 2 or more glasses of water to drink ONLY IF CONSCIOUS! Seek medical attention.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case of Release or Spill :	Avoid excessive inhalation and skin contact. Contain spilled material.
Waste Disposal Method:	Dispose of in accordance with federal, state, and local regulations.
Precautions to be Taken in Handling and Storage:	Avoid extremes of temperature to prevent coagulation / decomposition.

SECTION VIII – CONTROL MEASURES

Respiratory Protection	In dusty conditions, as occur when handling dry pigments, sanding or spray applying, use a NIOSH approved dust/mist respirator
Ventilation	None required under normal use. When using large amounts, adequate ventilation is recommended (e.g. window exhaust fan).
Protective Gloves	None required under normal use. For techniques requiring continual hand exposure, gloves are recommended.
Other Protective Equipment	Safety glasses with splash protection or goggles
Work / Hygiene Practices	Use safe handling practices. Do not eat, drink or smoke when working with materials. Avoid excessive skin contact. Wash after using materials. Keep material from children.

SECTION IX – TRANSPORTATION INFORMATION

All products listed in Section 1 are water-based acrylic paints which are not "Dangerous Goods" as classified in the International Air Transport Association's (IATA) Dangerous Goods Regulations. They are not flammable (as described in Class 3 or Class 4 criteria), poisonous or corrosive, nor do they fall within any other class description of "Dangerous Goods".

A "UN NUMBER" does not apply to these materials because such numbers are assigned only to "Dangerous Goods" by the United Nations Committee of Experts on the Transport of Dangerous Goods.

SECTION X – ADDITIONAL INFORMATION AND PRECAUTIONS

While Laser Bits, Inc. believes the data set forth herein is accurate as of the date hereof, Laser Bits, Inc. makes no warranty with respect to the accuracy of this date and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation, and verification.