

# MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910. 1200. Standard must be consulted for specific requirements.

<b>IDENTITY (As Used on Label and List)</b> <b>WHITE METAL POWDER</b>	
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## SECTION I

Manufacturer's Name <b>LASER MARKING GROUP, LLC</b>	Emergency Telephone Number 630-653-1063
Address (Number, Street, City, State, and ZIP Code)	Telephone Number for Information 630-653-1063
<b>262 CARLTON DRIVE</b>	Date Prepared 1/5/2012
<b>CAROL STREAM, IL 60188, USA</b>	Signature of Preparer (optional)

## SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% optional	CAS NO.
The specific chemical identity is being withheld as a trade secret					Proprietary

Silica	TWA: 15 mg/m3 total dust 5 mg/m3 respirable dust (OSHA)	TWA: (respirable fraction): 3 mg/m3			1312-76-1
Boric Acid	TWA Soluble Compound	TWA 15.0 mg/m3			10043-35-3
Zinc Phosphate	TWA respirable dust: 5 mg/m3	TWA respirable dust: 3 mg/m3			7543-51-3
Magnesium Silicate	TWA respirable dust: 15 mg/m3	TWA 15 mg/m3			14807-96-6

### **SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	N/A
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water Insoluble	Insoluble		
Appearance and Odor	White Powder		

### **SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL Lower	UEL Upper
Extinguishing Media	Use water, CO <sub>2</sub> , or dry chemical to extinguish fire		
Special Fire Fighting Procedures	Wear self contained, positive pressure breathing apparatus. Dust may be explosive when mixed with air. Use full protective clothing.		
Unusual Fire and Explosion Hazards	Nothing more than conventional fine inorganic powders.		

### **SECTION V - REACTIVITY DATA**

Stability	Unstable		Conditions to Avoid
	Stable X		High Heat & High Humidity
Incompatibility (Materials to Avoid)	N/A		
Hazardous Decomposition or Byproducts	N/A		
Hazardous Polymerization	May Occur		Conditions to Avoid None Known
	Will Not Occur X		

### **SECTION VI - HEALTH HAZARD DATA**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?	Eyes?
Health Hazards (Acute and Chronic)	N/A	N/A	N/A	N/A
Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No	
Signs and Symptoms of Exposure	N/A	N/A	N/A	N/A
Medical Conditions Generally Aggravated by Exposure	N/A	N/A	N/A	N/A
Emergency and First Aid Procedures	Remove to fresh air, get medical attention	Flush with water	Seek medical attention	Eye – Flush with water, get medical attention

## **SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to Be Taken in Case Material is Released or Spilled Sweep up and place in waste disposal container. Flush area with water.
Waste Disposal Method Disposal must be made with a qualified waste haul and disposer. This should be done according to government regulations. (Consult federal, state, and local regulations)
Precautions to Be taken in Handling and Storing Engineering controls are not usually necessary if good hygiene practices are strictly followed. Respiratory protection is generally not required during normal operations. Wear the following as necessary to prevent skin contact; work pants, long sleeves, work shirt and impervious gloves.
Other Precautions N/A

## **Section VIII - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES**

Respiratory Protection (Specify Type)	Maintain good housekeeping to control dust.	
Ventilation	Local Exhaust	Special
	Mechanical (General)	Other
Protective Gloves Rubber Gloves		Eye Protection Chemical Safety Goggles
Other Protective Clothing or Equipment		N/A
Work/Hygienic Practices		Engineering controls are not usually necessary, if good hygiene practices are followed

## REGULATORY INFORMATION

**SARA SECTION 302:** None Found

**SARA (311, 312) HAZARD CLASS:** ACUTE HEALTH HAZARD

CHRONIC HEALTH HAZARD

FIRE HAZARD

**SARA 313 Title III Toxic Chemical List:**

**The following chemicals are subject to the reporting requirements of Section 313 of Title III of the Superfund**

**Amendments and Reauthorization Act of 1986 and 40 CFR part 372.**

18% Silica

12% Boric Acid

**TSCA Inventory Status:** This product (and/or all of its components) is in compliance with the U.S. EPA Toxic

Substance Control Act, TSCA, (15 U.S.C. 2604).

This product and all of its components is listed on the DSL inventory.