

Section I - Chemical Product and Company Identification

Manufacturers name IKONICS Corporation
 Address 4832 Grand Avenue, Duluth, MN 55807
 Telephone number 218 628-2217 Customer Service
 Emergency phone number 800 424-9300 Chemtrec USA / 703/527-3887 International (collect)
 Product name Ikon Metal: Bronze

Section II – Hazardous Ingredients

<u>Ingredients</u>	<u>Percent(wt%)</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>VAPOR PSI</u>
Styrene	0-15%		100.00 ppm	20.00 ppm	4.50mmHg @ 68°F
Polymer(s)	12-15%		not established	not established	
Bronze Powder	70-78%		not established	not established	

Section III – Physical Data

Appearance Solid
 Boiling point Not Applicable
 Weight (per gallon) Not Applicable
 Percent volatile (by wt) Not Applicable
 Solubility in water Non-soluble
 Evaporation rate Not Applicable
 Vapor density Not Applicable
 VOC Not Applicable
 pH Not Applicable

Section IV – Fire and Explosion Data

Flash point Not Applicable
 Extinguishing media Dry chemical, CO₂, water spray, or foam.

Section V – Health Hazard Data

HMIS Codes 1-1-0-F Minimal=0, Slight=1, Moderate=2, Serious=3, Severe=4

Effects of overexposure

Eye contact Dust from machining may cause eye irritation.
 Skin contact Overexposure to dust from machining may cause irritation and redness to skin. Repeated or prolonged contact may cause sensitization with irritation to skin and mucous membranes.
 Inhalation Over exposure to dust can result in respiratory tract irritation as well as a metallic taste. Also, one might experience difficulty breathing or rapid breathing as well as chest pain or tightness.
 Ingestion No specific information available. Small amounts of consumption are likely nonharmful.

First aid emergency procedures

Eye Flush with plenty of water for at least 15 minutes and seek medical attention.
 Skin Wash with soap and water, should irritation occur, seek medical attention.
 Inhalation Remove to fresh air and give artificial respiration if not breathing. Call a physician.
 Ingestion Do not induce vomiting. Dilute with water or milk. Seek medical attention as soon as possible.

Section VI – Reactivity Data

Stability	Unstable___ Stable <u>X</u>
Conditions to avoid	Stable under normal conditions, however, avoid excessive heat and moisture.
Incompatibility (materials to avoid)	None known
Hazardous decomposition products	None known
Hazardous polymerization	May occur ___ Will not occur <u>X</u>

Section VII – Spill or Leak Procedures

Spill cleanup instructions	Spills can be cleaned using standard shop procedures and minimizing dust produced during clean up. Use proper PPE when cleaning up a spill.
Waste disposal method	Dispose of in accordance with federal, state, and local laws.

We make no guarantee or warranty of any kind that the use or disposal of this product is in compliance with all federal, state, or local laws. It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

Section VIII – Control Measures / Personal Protection

Engineering controls	Ventilation – A well ventilated area is recommended while machining Ikon Metal.
<i>Personal Protection Equipment (PPE)</i>	
Gloves	Protective gloves should be worn when working with large pieces of Ikon Metal for protection from sharp edges. During machining of smaller pieces, latex or neoprene gloves may be worn to reduce irritation due to dust.
Eye	Personal eye protection is required.
Respiratory	Wear O.S.H.A. (29CFR 1910.134) protection as necessary. Minimize breathing of dust from the Ikon Metal.
Where contact may occur	Use proper PPE based on activity.
Safety shower and eyewash	Should be available.

Section IX – Handling and Storage

Handling and storage information	Store away from extreme heat and moisture. Do not store near strong alkalis, chlorates, bromates, turpentine, mineral acids, or amines.
Other precautions	Industrial use only. Keep out of reach of children. Do not take internally. Do not expose to high heat such as welding.

Section X – Regulation Information

DOT classification	Not a DOT controlled material (United States)
SARA Title III	This product may contain styrene which is subject to the reporting requirements of SARA Title III, Section 313, and 40 CFR Part 372.

Approved by: VP Technology, Toshi Komatsu 218 628-2217 ext.142

Notice to reader

(Approved by U.S. Department of Labor “Essentially Similar” to form OSHA-20)

The information contained herein is based on data available to us and is believed to be correct. Since this information may have been obtained in part from independent laboratories or other sources not under direct supervision, no representation is made that the information is accurate, reliable, complete, or representative and Buyer may rely thereon only at the Buyer’s risk. We make no guarantee that the health and safety precautions we have suggested will be adequate for all individuals and / or situations involving its handling and uses. No warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet.