

MATERIAL SAFETY DATA SHEET

IDENTITY: BRASS NICKEL PLATED KEY BLANKS

SECTION I - MANUFACTURER'S INFORMATION

Kaba Ico Corp
400 Jeffreys Road
Rocky Mount, NC 27802

Emergency Phone Number: (252) 446-3321
Phone Number for Info: (252) 446-3321 Ext. 301
Date Revised: April 27, 2001
MSDS Prepared By: John Allen

SECTION II - INGREDIENTS/IDENTITY INFORMATION

ELEMENTS	CAS NUMBER OSHA PEL	ACGIH TLV	% COMPOSITION BY WEIGHT
Copper	7440-50-8 1.00	1.00	59 - 61.5
Lead	7439-92-1 0.05	0.15	Less than 1.5
Iron	7439-89-6 10.0	5.00	Less than 0.35
Zinc	7440-66-6 5.00	5.00	Remainder to 100%
Nickel	7440-02-0 1.00	1.00	Less than 0.3 (Base) 100% (Plating)
Tin	7440-31-5 2.00	2.00	Less than .1
Aluminum	7429-90-5 -	10.0	Less than .05
Silicone	7440-31-5 1.00	2.00	Less than .01

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A Specific Gravity (Water = 1): 7.5 - 9.0

Vapor Pressure (mm Hg): N/A Melting Point: 1650°F

Vapor Density (AIR = 1): N/A Evaporation Rate: N/A
Butyl Acetate = 1

Solubility in Water: Nil

Appearance and Odor: Yellow to Gold/Silver if Nickel Plated and has no odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A

Flammable Limits: N/A

LEL: N/A UEL: N/A

Extinguishing Media: N/A

Special Fire Fighting Procedures:

Avoid contact between molten metal and water

Unusual Fire and Explosion Hazards:

Material reacts with acids, bases and oxidizers

SECTION V - REACTIVITY DATA

Stability: Unstable ()
Stable (X)

Conditions to Avoid: Contact between molten metal and water

Incompatibility (Materials to Avoid):

Material reacts with acids, bases and oxidizers

Hazardous Decomposition or Byproducts:

No fumes upon contact with nitric acid

Hazardous May Occur ()

Conditions to Avoid: Contact between molten metal and water

Polymerization: Will Not Occur (X)

BRASS NICKEL PLATED KEYS

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation? Avoid dust fumes	Skin? Not likely	Ingestion? N/A for material as shipped
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Health Hazards (Acute & Chronic): Primary Routes of Entry: Inhalation of dust or fumes. No toxic effects are expected in its solid inert form. Avoid fume dust while cutting.

Signs & Symptoms of Exposure: Eye, nose and throat irritation. A metallic taste, chills, nausea, cough and muscle aches.

Medical Conditions Generally Aggravated by Exposure: Inhalation of Cu fumes may cause irritation of eyes, nose, throat and a flu like illness called metal fume fever.

Emergency and First Aid Procedures: Eye Contact - Flush well with water. Get medical attention. Skin Contact - If irritation develops, remove contaminated clothing and wash with soap and water. Inhalation - Remove to fresh air, get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: No special precautions are necessary for spills in bulk material. Large quantities of dust may be removed by vacuuming or wet sweeping.

Waste Disposal Method: Waste or residue from this material must be disposed of in accordance with Federal, State and Local laws.

Precautions To Be Taken In Handling and Storing: None

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): When cutting or biting, wear approved respirators for protection against dust.

Ventilation: Local exhaust required.

Protective Gloves: Wear appropriate protective gloves.

Eye Protection: Safety glasses, goggles, face shield

Other Protective Clothing or Equipment: No special clothing required for normal machining operations.

Work/Hygienic Practices: Utilize normal personal hygiene.

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