

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Article  
Product name : Copper Fittings and Components (Cast, Wrought (Wrot) and Forged)  
Product code : Not available

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Copper fittings and components used in plumbing, piping and other applications

#### 1.3. Details of the supplier of the safety data sheet

NIBCO INC.  
1516 Middlebury St.  
Elkhart, IN 46516 - USA  
General: 574-295-3000 / 800-642-5463  
Technical Services: Voice 888-446-4226 / Fax 888-336-4226  
[MSDSCoordinator@NIBCO.com](mailto:MSDSCoordinator@NIBCO.com) - <http://www.nibco.com>

#### 1.4. Emergency telephone number

Emergency number : ChemTel: 800-255-3924; International: +01-813-248-0585

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

This product is classified as an "article" under the OSHA HAZCOM 2012, Subpart Z - Toxic & Hazardous Substances, and as such is exempt from the requirement for classification.

#### 2.2. Label elements

##### GHS-US labelling

This product is classified as an "article" under the OSHA HAZCOM 2012, Subpart Z - Toxic & Hazardous Substances, and as such is exempt from the requirement for labeling.

#### 2.3. Other hazards

No additional information available.

#### 2.4. Unknown acute toxicity (GHS-US)

Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable.

#### 3.2. Mixture

Name	Product identifier	%	GHS-US classification
None required.			

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Not applicable for product in finished form.  
First-aid measures after skin contact : Not applicable for product in finished form. If irritation occurs, flush skin with plenty of water. Get medical attention if irritation persists.  
First-aid measures after eye contact : Not applicable for product in finished form. If irritation occurs, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.  
First-aid measures after ingestion : Not applicable for product in finished form.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : Not a normal route of exposure.  
Symptoms/injuries after skin contact : No known adverse effects.  
Symptoms/injuries after eye contact : No known adverse effects.  
Symptoms/injuries after ingestion : Not a normal route of exposure.

# Copper Fittings and Components (Cast, Wrought (Wrot) and Forged)

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according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

### 4.3. Indication of any immediate medical attention and special treatment needed

Not applicable.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Treat for surrounding material.  
Unsuitable extinguishing media : None known.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon.

### 5.3. Advice for firefighters

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Not applicable.

### 6.2. Methods and material for containment and cleaning up

For containment : Not applicable for product in finished form.  
Methods for cleaning up : Pick up large pieces, then place in a suitable container.

### 6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : No special precautions required.  
Hygiene measures : Wash hands before eating, drinking, or smoking.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : No special requirements.

### 7.3. Specific end use(s)

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available.

### 8.2. Exposure controls

Appropriate engineering controls : Ventilation is not normally required.  
Hand protection : None necessary under normal conditions of use.  
Eye protection : None necessary under normal conditions of use.  
Skin and body protection : None necessary under normal conditions of use.  
Respiratory protection : Not normally needed.  
Environmental exposure controls : Handle in accordance with good industrial hygiene and safety practice.  
Other information : Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Solid  
Appearance : Various metal articles  
Colour : Copper  
Odour : Odourless  
Odour threshold : No data available  
pH : No data available  
Melting point : 1981 °F  
Freezing point : No data available

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Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not flammable
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: No data available
Relative density	: 8.94
Relative vapour density at 20 °C	: No data available
Solubility	: Insoluble
Partition coefficient: n-octanol/water	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

### 9.2. Other information

No additional information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2. Chemical stability

Stable under normal storage conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Not applicable.
Skin corrosion/irritation	: Not applicable.
Serious eye damage/irritation	: Not applicable.
Respiratory or skin sensitisation	: Not applicable.
Germ cell mutagenicity	: Not applicable.
Carcinogenicity	: Not applicable.
Reproductive toxicity	: Not applicable.
Specific target organ toxicity (single exposure)	: Not applicable.
Specific target organ toxicity (repeated exposure)	: Not applicable.
Aspiration hazard	: Not applicable.
Symptoms/injuries after inhalation	: Not a normal route of exposure.
Symptoms/injuries after skin contact	: No known adverse effects.
Symptoms/injuries after eye contact	: No known adverse effects.
Symptoms/injuries after ingestion	: Not a normal route of exposure.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

#### 12.2. Persistence and degradability

##### Copper Fittings and Components (Cast, Wrought (Wrot) and Forged)

Persistence and degradability	Not established.
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#### 12.3. Bioaccumulative potential

##### Copper Fittings and Components (Cast, Wrought (Wrot) and Forged)

Bioaccumulative potential	Not established.
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#### 12.4. Mobility in soil

No additional information available.

#### 12.5. Other adverse effects

No additional information available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

#### Additional information

Other information : No supplementary information available.

Special transport precautions : Do not handle until all safety precautions have been read and understood.

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are listed, or exempt from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

#### 15.2. US State regulations

##### Copper Fittings and Components (Cast, Wrought (Wrot) and Forged)

State or local regulations	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.
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### SECTION 16: Other information

Date of issue : 06/01/2015

Other information : None.

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