



BUNTING BEARINGS, LLC

153 E. Fifth Street * P. O. Box 1053 * Mansfield, Ohio 44902 * (419) 522-3323 * Fax: (419) 522-6011

Safety Data Sheet

Lube Align

Revised: August 1, 2015

Meets the Requirements of OSHA Standard 29 CFR 1910.1200; Hazard Communication and EPA Supplier Notification Requirements under Section 313 of the Emergency Planning and Community Right-to-Know Act

Section 1 – Material Identifications

Manufacturer:	Bunting Bearings, LLC 153 E. Fifth Street Mansfield, Ohio 44902	Emergency Telephone Number 419-866-7000
		Information Telephone Number 419-522-3323
Product Class:	Sintered bronze bearing with cast aluminum housing.	

Section 2 – Hazards Identifications

Physical hazards	Not Classified	
Health hazards	Reproductive toxicity (fertility, the unborn child)	Category 1A
	Specific target organ toxicity, repeated exposure	Category 2 (Lung, central nervous system)

OSHA hazard(s) Not classified.

Label elements

Hazard symbol



Signal word	Danger
Hazard statement	May cause an allergic skin reaction. May cause damage to organs (Lung, central nervous system) through prolonged or repeated exposure. Suspected of causing cancer. May damage fertility or the unborn child.

Precautionary statement

Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Contaminated work clothing should not be allowed out of the workplace. Do not breathe dust/fume.
Response	If on skin: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) Not classified.

Environmental Hazards Hazardous to the aquatic environment, long-term and acute hazard Category 3

Section 3 – Composition/Information on Ingredients

Ingredient(s)	CAS No.	Percent
Copper	7440-50-8	30-85%
Aluminum	7429-90-5	10-80%
Silicon	7440-21-3	1-5%

Section 4 – First Aid Measures

Routes of Entry: Inhalation, Eye, Skin and Ingestion.

Ingestion: If swallowed and the person is conscious, immediately give large amounts of water. Get medical attention.

Inhalation: If a person breathes in large amounts of dust or fume, move the exposed people to fresh air. Get medical attention.

Eye Contact: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact: Immediately wash with plenty of soap and water.

Section 5 Fire Fighting Measures

Flash Point:	N/A	Flammable Limits: Upper:	N/A
Method:	N/A	Lower:	N/A

Extinguishing Media: Solid form – None
Fine Chips/Dust – Use a dry chemical or sand

Special Fire Fighting Procedures: Protective Clothing
NIOSH-self-contained breathing apparatus

Unusual Fire and Explosion Hazards: Fine chips or dust may ignite and should be stored in a well-ventilated area.

Section 6 Accidental Release Measures

No special precautions are necessary for spills of bulk materials. If large quantities of dust are spilled, remove by vacuuming or wet sweeping to prevent heavy concentrations of air borne dust. Respirators and protective clothing are recommended.

Section 7 – Handling and Storage

No special requirements. Proper hand and foot protection is recommended.

Section 8 – Exposure Controls/Personal Protection

Engineering Controls:

None Required. There are no health hazards from castings in solid form.

Supplemental Information:

Grinding castings that have not been cleaned or that contain embedded sand may generate significant amounts of dust containing crystalline silica.

Fumes from hot processes may contain other compounds with different exposure limits. Dust or fumes generated by machining, grinding, welding or thermal cutting of the casting may produce airborne contaminants. Exposure limits for the most common contaminants are offered as reference. Please consult a competent person for guidance on exposure assessment and controls.

Ingredient(s)	OSHA PEL	ACGIH TLV
Copper	1.0 mg/m ³	1.0 mg/m ³
Aluminum	15 mg/m ³	10.0 mg/m ³
Silicon	15 mg/m ³	10.0 mg/m ³

Carcinogen: None

Respiratory Protection: When required, employees should wear MSHA or NIOSH approved respirators for protection against airborne dust or fumes.

Ventilation: Use general or local exhaust ventilation to keep airborne concentrations of dust and fumes below the TLV.

Protective Gloves: N/A

Eye Protection: Approved safety glasses and/or goggles should be worn during any machining, grinding, cutting, or other operation from which airborne particles may be emitted.

Other Protective Clothing: N/A

Work/Hygienic Practices: Wash hands after handling materials.
Food or drink should not be consumed in the work area.
Wash hands and face prior to eating, drinking or smoking.

Section 9 – Physical and Chemical Properties

Boiling Point:	N/A	Specific Gravity (H₂O = 1):	3.0 – 8.0
Vapor Pressure:	N/A	Melting Point:	1220F
Vapor Density:	N/A	Evaporation Rate:	N/A
Solubility in Water:	Insoluble		
Appearance:	Silvery-white housing – copper colored insert		
Odor:	None		

Section 10 – Stability and Reactivity

Stability: Copper and aluminum alloys are stable under normal conditions of use storage and transportation.

Conditions to Avoid: Molten metal may react violently with water.
Avoid contact of chips and dust with heat, oxidizers, acids, alkali's, molten lithium and halogenated compounds.

Incompatibility: Avoid acids, bases and oxidizers.

Hazardous Polymerization: Will not occur.

Section 11 – Toxicological Information

Copper: Under normal handling and use, exposure to the solid form of copper alloys presents few health hazards. Thermal cutting, melting, machining or grinding may produce fumes or dust containing the component elements and breathing these fumes or dust may present potentially significant health hazards. The exposure levels in Section II are relevant to fumes and dust. Fumes of copper may cause metal fume fever with flu-like symptoms, and copper may cause hair discoloration. Copper fumes and dust irritate the nose and throat. If too many fumes are inhaled, it will cause a sweet or metallic taste in the mouth. Inhaling excessive amounts of copper dust and fume over a long period of time can cause anemia.

Aluminum: Under normal handling and use, exposure to aluminum presents few health hazards. Thermal cutting and melting may produce fumes containing the component elements, and breathing these fumes or dust may present potentially significant health hazards. The exposure levels in Section II are relevant to fumes and dust. Inhalation of finely divided aluminum powder may cause pulmonary fibrosis. Overexposure to dust, and especially fumes containing component elements of aluminum alloys may cause skin, nose, mouth and eye irritation and lung changes in workers, potentially leading to pulmonary diseases.

Section 12 – Ecological Information

No special precautions are necessary for spills of bulk materials. If large quantities of dust are spilled, remove by vacuuming or wet sweeping to prevent heavy concentrations of airborne dust. Respirators and protective clothing are recommended.

Section 13 – Disposal Considerations

Follow Federal, State and local regulations regarding disposal. Scrap metals can generally be reclaimed and recycled.

Section 14 – Transportation Information

Non-dangerous product for transportation by road, sea and air. No labels are required.

Section 15 – Regulatory Information

US-OSHA (Hazard Communication Standard)

References: 29 CFR 1910.1200 Hazard Communication Standard

A finished casting is an article as defined in 29CFR 1910.1200 (c)

29 CFR 1910. 1000 Air Contaminants

29 CFR 1910. 1025 Lead

Dust or fumes generated by cleaning, machining, grinding, or welding of the casting may produce airborne contaminants, such as bismuth, cobalt, copper, lead, nickel, selenium, tin, zinc and silica.

US-EPA (Toxic Substances Control Act-TSCA)

All components of these products are on the TSCA inventory list or are excluded from listing.

US-EPA (SARA Title III)

Releases to the environment of Cobalt, Copper, Lead, Nickel, Selenium and Zinc (fume or dust) may be subject to reporting under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

CANADA-WHMIS (Workplace Hazardous Materials Information System)

This SDS has been prepared according to the hazard criteria of the Controlled Product Regulations (CPR) and the SDS contains the information required by the CPR.

CANADA DSL (Domestic Substances List) Inventory Status

All components of these products are on the DSL Inventory.

CEPA (Canadian Environmental Protection Act)

Lead is on the Toxic Substances List.

EINECS No. (European Inventory of Existing Commercial Chemical Substances)

All components of these products are on the EINECS list.

RoHS (Restriction of Certain Hazardous Substances) Compliance

Castings comply with RoHS

CALIFORNIA PROPOSITION 65 Compliance

WARNING: This product contains or produces chemicals known to the State of California to cause cancer and birth defects (or other reproductive harm). (California Health & Safety Code 25248.5 et seq.)

US STATE REGULATORY INFORMATION

Some of the components listed in Section 3 may be covered under specific state regulations.

Section 16 – Other Information

HMIS Rating: Copper, Health 2, Flammability 0, Reactivity 0
NFPA Rating: Copper, Health 2, Flammability 0, Reactivity 0
Revised: August 1, 2015

The above information is based on upstream suppliers and furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Bunting Bearings LLC. The data on these sheets relates only to the specific material designated herein. Bunting Bearings LLC assumes no legal responsibility for use or reliance upon this data.

PRODUCT IDENTIFIER

Sintered bronze bearing with cast aluminum housing

SUPPLIER IDENTIFICATION

Company Name: Bunting Bearings LLC

HAZARD PICTOGRAMS*

SIGNAL WORD* Danger



Street Address: 1001 Holland Park Blvd.
Mailing Address: Same as Above
City: Holland State: OH
Zip/Postal Code 43528 Country U.S.A.

Emergency Phone Number 419-866-7000

HAZARD STATEMENTS

May cause an allergic skin reaction. May cause damage to organs (Lung, central nervous system) through prolonged or repeated exposure. Suspected of causing cancer. May damage fertility or the unborn child.

PRECAUTIONARY STATEMENTS

Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Contaminated work clothing should not be allowed out of the workplace. Do not breathe dust/fume.
Response	If on skin: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

*Castings do not present hazards in their original form.

OTHER INFORMATION

1. Grinding castings that have not been cleaned or that contain embedded sand may generate significant amounts of dust containing crystalline silica.
2. Fumes from hot processes may contain other compounds with different exposure limits. Dust or fumes generated by machining, grinding, welding or thermal cutting of the casting may produce airborne contaminants. Consult Sections 3 & 8 of the SDS for further information.