

BUNTING BEARINGS, LLC

4252 E. Kilgore Road

Portage, MI 49002

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Safety Data Sheet Dri-Plane

Revised: December 10, 2019

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 **Em**

Emergency Telephone Number

4252 E. Kilgore Rd.

269-345-8691

Portage, MI 49002

Information Telephone Number

269-345-8691

Product Class: Dri-Plane Bar DOESXXXX Part Numbers

Section 2 – Hazards Identifications

GHS Classification:

Note: In the form in which it is sold, this product is not regulated as a Hazardous Product in the U.S. or in Canada.

Health	Environmental	Physical	
Does not meet criteria	Does not meet criteria	Does not meet criteria	

GHS Label: None required Single Word: None required

WHMIS Classification: None required

Hazard Statement	Precautionary Statements	
None required	None required	

Section 3 – Composition/Information on Ingredients				
Ingredient(s)	CAS No.	Percent		
Copper	7440-50-8	88-92%		
Tin	7440-31-5	9-10%		
Graphite	7782-42-5	0-1.5%		
Molybdenum				
Disulfide	1317-33-5	0-1.0%		
Petroleum Distillates	64742-65-0	0.5-1.5%		

Section 4 – First Aid Measures

Mineral Spirits

Stearic/Palmitic Acid

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

Ingestion: If swallowed and the person is conscious, immediately give large

amounts of water. Try to induce vomiting. Get medical attention. Do not eat or smoke when handling material. Practice good

hygiene habits; wash before handling any edible products.

64742-47-8

67701-03-5

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Inhalation: If a person breathes in large amounts of dust of fume, move the

exposed people to fresh air. If over-exposed to fumes or oil mist, remove from further exposure until excessive fumes or oil mist

conditions subside. 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. Seek medical

attention is injury is severe.

Section 5 Fire Fighting Measures

Flash Point: Above 1290F **Flammable Limits: Upper:** N/A **Method:** N/A **Lower:** N/A

Extinguishing Media: Foam, dry chemical or sand. Do not use water

Special Fire Fighting Procedures: Protective Clothing

NIOSH-self-contained breathing apparatus

Unusual Fire and Fine chips or dust may ignite and should be stored

Explosion Hazards: 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

Use good safety practices. Store away from sources of ignition. Keep dry and away from exposure to water.

Section 8 – Exposure Controls/Personal Protection

Ingredient(s)	OSHA PEL	ACGIH TLV	V
Copper	1.0 mg/m^3	1.0 mg/m^3	dust
Copper	0.1 mg/m^3	0.2 mg/m^3	fume
Tin	2.0 mg/m^3	2.0 mg/m^3	
Molybdenum			
Disulfide	15mg/m3		
Mineral Spirits	$2,900 \text{ mg/m}^3$	100 mg/m^3	
Petroleum Distillate	es*	_	
Stearic/Palmitic			
Acid *			

^{* -} There are no established Exposure limits from the manufacturer, supplier importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Respiratory Protection: No respiratory protection is normally required. When

required, employees should wear MSHA or NIOSH

approved respirators for protection against airborne dust or

fumes having a TLV of not less than 0.05 mg/m3. Keep

exposure below TLV/TWA's.

Ventilation: Use general or local exhaust ventilation to keep airborne

concentrations of dust and fumes below the TLV.

Protective Gloves: Wear protective gloves

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/ASpecific Gravity $(H_2O = 1)$:7.5-9.0Vapor Pressure:N/AMelting Point:1500F - 1950FVapor Density:N/AEvaporation Rate:N/A

Solubility in Water: Insoluble

Appearance: Yellow to Red

Odor: Solvent petroleum and/or hydrocarbon odor

Section 10 – Stability and Reactivity

Stability: Copper 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.

Hazardous Decomposition: Possibly metal fumes

Section 11 – Toxicological Information

<u>Copper:</u> 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 and manganese 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.

<u>Tin:</u> Chronic overexposure to tin fumes may cause an apparent benign pneumoconiosis. In the case of tin it is called stannosis.

Mineral Spirits: Prolonged or repeated skin contact may cause skin irritation. Product contacting the eyes may cause eye irritation. Human health risks from person to person. As a precaution, exposure to vapors, mists and fumes should be minimized. This product has low order of acute oral toxicity, but minute amounts aspirated into the lungs during ingestion may cause mild to severe pulmonary injury. High vapor/aerosol concentrations may cause central nervous system effects such as headache, nausea, drowsiness, breathlessness, fatigue, central nervous system depression, convulsions, and loss of consciousness.

Molybdenum Disulfide: Anorexia and listlessness have been reported in animals. Ingestion may cause gastrointestinal irritation with nausea, vomiting and diarrhea. Inhalation of dust is irritating to the respiratory tract. May cause skin irritation and dust may cause mechanical irritation to the eyes.

Carcinogen: Materials not listed as carcinogens by NTP, IARC and OSHA.

Section 12 – Ecological Information

In a solid sintered form – 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.

No other information available for de minimums ingredients.

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.

Section 15 – Regulatory Information

These products contain copper, and tin which are all subject to the annual reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372.

CALIFORNIA PROPOSITION 65 Compliance



WARNING: This product can expose you to chemicals including lead and/or nickel, which are known to the State of California to cause cancer and lead which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.p65warning.ca.gov

Section 16 – Other Information				
HMIS Rating:	Copper:	Health 1, Flammability 0, Reactivity 0		
	Mineral Spirits:	Health 1, Flammability 2, Reactivity 0		
	Stearic/Palmitic Ac	eid: Health 1, Flammability 1, Reactivity 0		
NFPA Rating:	Copper:	Health 1, Flammability 0, Reactivity 0		
	Mineral Spirits:	Health 1, Flammability 2, Reactivity 0		
	Stearic/Palmitic Ac	eid: Health 1, Flammability 1, Reactivity 0		
Revised:	December 10, 2019)		

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