MATERIAL SAFETY DATA SHEET (MSDS)

Revised: February 2013

Section I: Product Identification

Distributed by:
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Trade name: **Blue - O-Ring Grease**
Product class: **Grease**
Product code: **120301**
CAS Number: Complex Mixture

Hazard ratings: 0 (None) – 4 (Extreme)
Health – 1
Fire – 1
Reactivity – 0
Personal Protection – B

Section II: Hazardous Ingredients

Ingredients	CAS #	Weight %	Exposure Limits: ACGIH/LTV	Exposure Limits: OSHA/PEL
Calcium Stearate	3159-62-4	3-15	None	0 ppm
Zinc Dialkyldithiophosphate*	N/A	1-3	None	0 ppm
Petroleum Hydrocarbon	64742-53-6	>50	5mg/m3	5mg/m3
Chemically Neutralized Heavy Naphthenic Petroleum Distillates	N/A	5-14	None	0 ppm
Solvent-Dewaxed Heavy Paraffinic Petroleum Distillates	64742-65-0	20-26	5mg/m3	5mg/m3
Organic Antimony Comp. Unknown* (this organic antimony compound ingredient contains 50% Antimony and is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act)	N/A	1-3	0.5mg/m3	0.5mg/m3

* These items are listed on the SARA TITLE III Section 313 inventory

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ALL ingredients in this product are listed in the T.S.C.A Inventory.

SARA 311/312 Category - health hazard immediate

SARA 313- Contains organometallic antimony compound

Ingredients are proprietary. Potential hazards have been evaluated and pertinent information has been included in sections III–IX. Each proprietary material is either:

1. Held a trade secret from Buzzy's
2. OSHA Non-hazardous or below 1% if OSHA Hazardous
3. Below 0.1% if carcinogenic

Section III: Physical Data

Boiling range: N/A
Evaporation Rate: Slower than n-Butyl-Acetate
Volatiles volume: N/A
Vapor density: Heavier than air
Liquid density: Lighter than water
Weight per gallon: 7.57 pounds
Specific Gravity: 0.91
Appearance: Medium Amber Grease
VOC: N/A

Section IV: Fire and Explosion Hazard Data

Flammability Class: 1
Flash point: N/A
LEL: N/A

Extinguishing media: carbon dioxide, or dry chemical foam.

Special firefighting procedures: water stream may spread fire. Use water spray to cool containers not on fire.

Unusual fire and explosion hazards:

- Will not flash spontaneously. May ignite if exposed to open flame
- Burning of organic antimony component may produce oxides of antimony, sulfur and nitrogen

Section V: Health Hazard Data

Permissible Exposure Level:

TWA = 5mg/m3

STEL = 10mg/m3

As oil mist: respiratory irritant

See Section II for concise information concerning ingredients having a PEL. Also not antimony compounds have a TWA of 0.5mg/m3 as antimony

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Effects of Overexposure:

- Inhalation: not expected to be acutely toxic by inhalation. Breathing petroleum oil mist at concentrations in air that exceed the recommended exposure standard can cause respiratory irritation or discomfort. Likewise breathing antimony vapors above the recommended exposure standard may be harmful
- Skin: may cause irritation based on data from components. Primary hazard associated with grease in high pressure gun. If injected under skin, necrosis could result
- Eyes: may cause eye irritation based on data from components
- Swallowing / ingestion: may cause irritation, nausea or diarrhea. Possible aspiration hazard
- Medical conditions generally aggravated by exposure: none known, but may aggravate existing skin disorders. Not listed as a potential carcinogen by IARC, NTP, or OSHA
- Organic antimony component may cause eye or skin irritation

First Aid:

- Inhalation: if respiratory discomfort or irritation occurs, move person to fresh air. If breathing has stopped, give artificial respiration and get medical attention immediately
- Skin: wash exposed area with soap and water. Launder soiled clothes before reuse. If injected under the skin, get medical attention immediately
- Eyes: flush eyes with water for 15 minuets, if film or irritation persists, seek medical attention
- Swallowing / ingestion: do not induce vomiting; contact a physician

Section VI: Reactivity Data

Stability:	[ ] Unstable	[X] Stable
Hazardous polymerization:	[ ] May occur	[X] Will not occur

Incompatibility: strong oxidizers

Conditions to avoid: avoid conditions that may generate an oil mist. Do not expose the product to strong oxidizers or excessive heat.

Hazardous decomposition products: incomplete combustion can yield carbon (smoke), carbon monoxide, various hydrocarbons and oxides of antimony. Other toxic gases, vapors and solid residues may evolve on burning.

Section VII: Spill or Leak Procedures

In case of spill: pick up material and place in container for disposal.

Waste disposal method:

EPA hazardous waste? no

Utilize licensed waste disposal contractor. Consider recycling or controlled incineration. Utilize permitted industrial waste disposal site. Follow all local, state and federal guidelines.

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Section VIII: Special Protection Information

Respiratory protection: up to 25 mg/m3, half mask organic respirator. Up to 50 mg/m3, full face organic vapor respirator or self contained full face respirator. Greater than 50 mg/m3, fire fighting or unknown concentration, use self contained breathing apparatus with positive pressure.

Ventilation: maintain local or dilution ventilation to keep air concentration below PEL/TLV. Request assistance of safety and industrial hygiene personnel to determine air concentration.

Protective gloves: for prolonged contact or repeated contact, use nitrile, neoprene gloves or other material resistant to petroleum oils.

Eye protection: safety glasses, chemical goggles, or face shield as appropriate for exposure.