

# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

# U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (As used on Label and List)  
**Bone Dry Cleaner**

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

## Section I

Manufacturer's Name <b>Bone Dry Products Inc.</b>	Emergency Telephone Number <b>262-564-8420</b>
Address (Number, Street, City, State, and Zip Code) <b>6520 67<sup>th</sup> Street</b>	Telephone Number for Information <b>262-564-8420</b>
<b>Kenosha, Wisconsin 53142</b>	Dated Prepared <b>15 January 2008</b>
	Signature of Preparer (optional)

## Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>Phosphoric Acid</b> CAS 7664-38-2	<b>1 mg / m<sup>3</sup></b>	<b>1 mg / m<sup>3</sup></b>		
<b>2-Butoxyethanol</b>	<b>50 ppm (skin)</b>	<b>25 ppm (skin)</b>		

## Section III – Physical/Chemical Characteristics

Boiling Point	<b>212 F</b>	Specific Gravity (H <sub>2</sub> O = 1)	<b>1.05</b>
Vapor Pressure	<b>N/A</b>	Melting Point	<b>N/A</b>
Vapor Density	<b>N/A</b>	Evaporation Rate (Butyl Acetate = 1)	<b>&lt; 1</b>
Solubility in Water	<b>Complete</b>		
Appearance and Odor	<b>Translucent Liquid, Mild, Semi-sweet Detergent Odor</b>		

## Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) <b>None – Closed Cup ASTM D-93</b>	Flammable Limits <b>N/A</b>	LEL	UEL
Special Fire Fighting Procedures <b>N/A</b>			
Unusual Fire and Explosion Hazards <b>N/A</b>			

---

**Section V – Reactivity Data**

---

Stability	Unstable		Conditions to Avoid	<b>Use plastic taps or pumps for dispensing. Do not use</b>
	Stable	<b>X</b>		<b>aluminum. Zinc or white metal fittings or taps.</b>

---

Incompatibility (*Materials to Avoid*)      **Avoid contact with alkaline materials, soft metals and chlorinated cleaners.**

---

Hazardous Decomposition or Byproducts      **None known.**

---

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	<b>X</b>	

---

**Section VI – Health Hazard Data**

---

Route(s) of Entry:	Inhalation?	<b>Possible</b>	Skin?	<b>No</b>	Ingestion?	<b>Possible</b>
--------------------	-------------	-----------------	-------	-----------	------------	-----------------

---

Health Hazards (*Acute and Chronic*)      **Prolonged breathing of vapors may cause respiratory irritation or burns.**

---

**Prolonged contact with skin and eyes will cause irritation or burns.**

---

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

---

Effects and Signs of Exposure

**Eyes: Corrosive. May cause severe burns or irritation. Damage may not be reversible.**

Flush with plenty of fresh water for at least 15 minutes. Upper and lower eyelids should be raised to ensure complete removal of chemical. Obtain prompt medical attention.

---

**Skin: Corrosive. May cause severe irritation or burns resulting in redness, pain and possible tissue damage.**

Flush with water. Follow with a water rinse containing 1 % bicarbonate of soda. If irritation or pain is present, get medical attention.

---

**Ingestion: Harmful if swallowed. May cause nausea, vomiting and burns to mouth and esophagus.**

If ingested, drink large amounts of milk, water or gelatin solution immediately. Do not induce vomiting. Get medical attention.

---

**Inhalation: may cause moderate to severe irritation of nose, throat and lung tissue.**

Remove to fresh air immediately. If breathing difficulty continues, give oxygen. Get medical attention.

---

**Section VII – Precautions for Safe Handling and Use**

---

Steps to Be Taken in Case Material Is Released or Spilled

**Contain liquid preventing direct discharge to sewer. Mop up or absorb with clay or sand. Neutralize solution with lime solution or dilute sodium hydroxide. Wash effected areas thoroughly.**

---

Waste Disposal Method

**Liquid waste is an acidic solution. Neutralize with lime solution or dilute sodium hydroxide to a specific pH. Acid solutions are toxic to fish. Do not discharge directly into lakes or streams. Solutions may be a RCRA Hazardous Waste under Category D-002 Corrosivity.**

---

Precautions to Be Taken in Handling and Storing

**Keep container closed when moving and when not in use. Keep out of reach of children. Do not store with food. Store in well ventilated area.**

---

Other Precautions

**Corrosive to aluminum, brass, copper and most soft metals.**

---

**Section VIII – Control Measures**

---

Respiratory Protection (*Specify Type*)

**Mist or spray - Use Acidic Cartridge NIOSH approved mist respirator.**

---

Ventilation	Local Exhaust	<b>In spray area where fumes are released.</b>	Special	<b>None</b>
	Mechanical ( <i>General</i> )	<b>50 – 100 cfm to maintain TLV</b>	Other	<b>None</b>

---

Protective Gloves	<b>Rubber or Plastic</b>	Eye Protection	<b>Chemical Goggles or Face Shield</b>
-------------------	--------------------------	----------------	--

---

Other Protective Clothing or Equipment

**Protect skin and eyes from splashes. Have eyewash in use area.**

---

Work/Hygienic Practices

**Have access to fresh water supply.**

---