

# MATERIAL SAFETY DATA SHEET

SECTION I		DATE: January 2007
MANUFACTURER'S NAME <b>Ebonex Corp.</b>	EMERGENCY TELEPHONE NO. <b>(313) 388-0060</b>	
ADDRESS <b>2380 S. Wabash, PO Box 3247, Melvindale Michigan 48122</b>		
CHEMICAL NAME AND SYNONYMS <b>Hydroxyapatite</b>	TRADE NAME <b>Bone Ash</b>	
CHEMICAL FAMILY <b>Tricalcium Phosphate</b>	FORMULA <b>CA<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub></b>	

## SECTION I-A

<u>TOXIC SUBSTANCES CONTROL ACT</u>	<u>HMIS RATING</u>
SUBSTANCE: <b>Bone Ash</b>	HEALTH <b>0</b>
CAS REGISTRY NO.: <b>68439-86-1</b>	FLAMMABILITY <b>0</b>
<b>This product is not classified as a hazardous material by the US Dept. of Transportation.</b>	REACTIVITY <b>0</b>
	PERSONAL PROTECTION <b>A</b>

## SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (UNITS)	ALLOYS AND METALLIC COATINGS	%	TLV (UNITS)
PIGMENTS			BASE METALS		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS AND GASES				%	TLV (UNITS)
<b>N.A.</b>					<b>N.A.</b>
<b>SARA Title III Section 313: Not Listed</b>					

## SECTION III PHYSICAL DATA

BOILING POINT (°F)	SPECIFIC GRAVITY (H <sub>2</sub> O = 1) <b>3.14</b>
VAPOR PRESSURE (mm Hg.)	PERCENT VOLATILE BY WEIGHT
VAPOR DENSITY	EVAPORATION RATE
SOLUBILITY IN WATER <b>Insoluble</b>	APPARENT DENSITY: <b>0.80 g/cc</b>
APPEARANCE AND ODOR <b>Fine, free flowing white powder</b>	

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED) <b>N.A.</b>	FLAMMABLE LIMITS	LEL	UEL
EXTINGUISHING MEDIA <b>Water Fog or Spray</b>			
SPECIAL FIRE FIGHTING PROCEDURES <b>None</b>			
AUTO IGNITION TEMP. <b>Bone Ash is non combustible</b>			
UNUSUAL FIRE AND EXPLOSION HAZARDS <b>None - Chemically stable under heat and fire conditions.</b>			

## SECTION V HEALTH HAZARD DATA

PRIMARY ROUTE OF ENTRY **Skin contact**

SIGNS AND SYMPTOMS **Brief contact may cause slight irritation with itching and local redness. Prolonged exposure may cause severe irritation, with local discomfort or pain, and local redness and swelling.**

FIRST AID PROCEDURES **Flush eyes with water for 15 minutes. If irritation persists, seek medical attention. If product gets on skin, remove with soap and water.**

## SECTION VI REACTIVITY DATA

STABILITY **Stable**

HAZARDOUS POLYMERIZATION **Will not occur**

CONDITIONS TO AVOID **Strong oxidizing agents. Temperatures above 250°C**

HAZARDOUS DECOMPOSITION PRODUCTS **CO, CO<sub>2</sub>**

## SECTION VII SPILL OF LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

**Collect for disposal. Wear suitable protective equipment. Avoid contact with skin and eyes. Mix with inert absorbent, place in suitable container. Avoid discharge in sewer or waterways.**

WASTE DISPOSAL METHOD **Dispose of, or incinerate in a furnace where permitted under Federal, State and local regulations.**

## SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATION PROTECTION (Specify type) **Exposures exceeding TLV require chemical cartridge respirator.**

VENTILATION **Local exhaust is expected to be satisfactory at room temperature.**

PROTECTIVE GLOVES **Rubber Gloves**

EYE PROTECTION **Safety Goggles**

OTHER PROTECTIVE EQUIPMENT **Use good personal hygiene practices.**



## SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE.

**There are no special requirements for storage.(Room Temp.) Avoid contact with skin, eyes, and clothing.**

## SECTION X OTHER REGULATORY CONTROLS

**The following specific information is made for the purpose of complying with numerous Federal, State or Provincial, and local laws and regulations.**

**The components are listed on the TSCA Inventory.**

<b>HMIS</b>	<b>Health:</b>	<b>1</b>
	<b>Flammability</b>	<b>0</b>
	<b>Reactivity</b>	<b>0</b>

**These ratings should only be used as a part of the HMIS program.**

**Notice:** The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with Federal, State or Provincial, and local laws.