

Material Safety Data Sheet

Data Information as Required by OSHA Regulations

Product:

BIO-DEX

PLASTER WHITE N' BRITE



BIO-DEX LABORATORIES

**501 WEST LONE CACTUS DR.
PHOENIX, AZ 85027**



MATERIAL SAFETY DATA SHEET

Product: **PLASTER WHITE 'N BRITE**

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:
PLASTER WHITE 'N BRITE

NFPA 704m/HMLS RATING:
Health: 3
Flammability: 1
Reactivity: 0

Company Identification:
Bio-Dex Laboratories
501 W Lone Cactus Dr
Phoenix, AZ 85027
(623) 582-2400 Fax: (623) 582-2405
Medical Emergency – 24 Hr:
(602) 253-3334
Samaritan Regional Poison
Center

HAZARD RATING SCALE:
0: Insignificant
1: Slight
2: Moderate
3: High
4: Extreme

Section 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:
Sulfactant
Hexylene Glycol
Hydrochloric Acid (CAS 7647-01-0)

OSHA PEL
Not listed
25ppm (ACGIH TLV)
5ppm, Ceiling

**INGREDIENTS NOT PRECISELY IDENTIFIED ARE PROPRIETARY OR NON-HAZARDOUS
VALUES ARE NOT PRODUCT SPECIFICATIONS**

Section 3. HAZARDS IDENTIFICATION

General:

No toxicity information is available on this specific preparation; this health hazard assessment is based on the information that is available on properties of its components.

Emergency Overview:

Appearance: Amber liquid.

CAUSES EYE BURNS. CAUSES SKIN IRRITATION. INHALATION OR INGESTION MAY CAUSE MUCOUS MEMBRANE IRRITATION.

Routes of exposure: Eye contact: Inhalation



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Section 3. HAZARDS IDENTIFICATION (CONT.)
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Systems of Overexposure (Acute & Chronic): Eye contact: This material can induce chemical burns with human eyes.

Skin Contact: This material will probably cause severe skin irritation. Systematically toxic concentrations of this product will probably not be absorbed through human skin.

Inhalation: This material may cause irritation following inhalation. No toxic effects are known to be associated with inhalation of this material.

Ingestion: In humans, irritation of chemical burns of the mouth, pharynx, esophagus and stomach can develop following ingestion. Injury may be severe and cause death. This material may be harmful if swallowed. Hexylene glycol has been shown to cause slight liver and kidney damage in chronic feeding studies in laboratory animals.

Section 4. FIRST AID MEASURES

Eyes:

Immediately flush with plenty of water for at least 15 minutes. Have eyes examined and treated by medical personnel.

Skin:

Wash material off the skin with soap and plenty of water. Get medical attention. Wash contaminated clothing and discontinue footwear before reuse.

Ingestion:

DO NOT INDUCE VOMITING. Give one or two glasses of water to drink and refer to medical personnel or take direction from either a physician or a poison control center. Never give anything by mouth to an unconscious person.

Inhalation:

Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.

Section 5. FIRE FIGHTING MEASURES
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Flashpoint and method: >200 deg. F. 93 deg. C PMCC

Autoignition temperature: No data.

Flammable limits (LEL / UEL): No data.



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Section 5. FIRE FIGHTING MEASURES (CONT.)
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Extinguishing Media:

Water, fog, alcohol foam, carbon dioxide, dry chemical, halogenated agents.

Special Fire-fighting Protective Equipment:

Self-contained breathing apparatus with full facepiece and protective clothing.

Unusual Fire and Explosion Hazards:

None known.

Explosion Data:

Sensitivity to mechanical impact: Not applicable.

Sensitivity to static discharge: Not applicable.

Section 6. ACCIDENTAL RELEASE MEASURES

REFER TO SECTION 8 FOR PROPER PERSONAL PROTECTIVE EQUIPMENT

Steps to be Taken in Case Material is Released or Spilled:

Soak up material with absorbent and shovel into a chemical waste container. Wash residue from spill area with water containing detergent and flush to a sewer serviced by a permitted wastewater treatment facility.

Section 7. HANDLING AND STORAGE
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Storage Requirements:

50-90 deg F in original closed container.

Precautions to Take During Handling and Storage:

Prevent skin and eye contact.

Avoid breathing this material.

Do not swallow.

Normal chemical handling and storage.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

No ACGIH TLV or OSHA PEL is assigned to this mixture. Control of exposure to below the PEL and/or TLV for the ingredients (see Section 2 and/or below) may not be sufficient. Minimize exposure in accordance with good hygiene practice. The ACGIH TLV for hexylene glycol is 25 ppm ceiling limit. The ACGIH TLV and OSHA PEL for hydrochloric acid (hydrogen chloride) is 5 ppm as a ceiling value.



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Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONT.)

Engineering Controls:

Use ventilation adequate to maintain safe levels.

Eye Protection:

Chemical tight goggles and full faceshield.

Protective Clothing:

Impervious gloves.

Respiratory Protection:

If needed, use MSHA-NIOSH approved respirator for organic vapors.

Other Protective Equipment:

Eyewash station and safety shower in work area.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor:

Amber Liquid.

Odor Threshold: No Data

Boiling Point:

199 deg F 92.76 deg. C.

Melting Point: No Data

Vapor Pressure:

(mm HG at 20 deg. C): No Data

Vapor Density:

(air = 1): No Data

Solubility in Water: No Data

ph: ~5.5; (10% aqueous)

Specific Gravity:

0.9826

% Volatile by Volume:

Negligible

Cloud Point: No Data

Viscosity: No Data

Partition Coefficient: No Data

Coefficient of Water/Oil Distribution: No Data

Freezing Point: No Data



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Section 10	STABILITY AND REACTIVITY
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Stability:

Stable under normal conditions.

Incompatibility:

Oxidizing agents. Alkaline materials.

Conditions to Avoid:

None known.

Hazardous Decomposition Products:

Combustion products: carbon dioxide, carbon monoxide, nitrogen oxides, ammonia.

Hazardous Polymerization:

Will not occur.

Section 11	TOXICOLOGICAL INFORMATION
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NO DATA AVAILABLE ON THIS MATERIAL

Carcinogenicity:

This material is not listed as a carcinogen by OSHA, IARC AND NTP.

Reproductive toxicity/Teratogenicity:

No available information.

Mutagenicity:

No available information.

Toxicologically Synergistic Products:

None known.

Section 12	ECOLOGICAL INFORMATION
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NO DATA AVAILABLE ON THIS PRODUCT

Section 13	DISPOSAL CONSIDERATIONS
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Disposal method:

Discarded product is not a hazardous waste under RCRA, 40 CFR 261.

Container Disposal:

Empty container retains product residue. Remove all product residue from container and puncture or otherwise empty container before disposal. Observe all hazard precautions.



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Section 14	TRANSPORT INFORMATION
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Department of Transportation:

Not regulated.

TDG (Transportation of Dangerous Goods):

Not regulated.

Section 15	REGULATORY INFORMATION
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TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710.

All ingredients are on the TSCA Chemical Substance Inventory.

DSL (Canadian Domestic Substances List):

All ingredients are listed on the Canadian DSL.

OSHA Hazard Communication Standard, 29 CFR 1910 – 1200, Hazard Summary:

Physical Hazards: None

Health Hazards: Corrosive (eye); Irritant (skin).

WHMIS Classification:

Class D, Division 2 – Toxic.

CERCLA and SARA Regulations (40 CFR 355, 370, and 372D):

This material contains the following chemicals subject to the reporting requirements of SARA 313:

CAS NUMBER

7647-01-0

CHEMICAL NAME

HYDROCHLORIC ACID (AEROSOL FORMS ONLY)

SARA 313/312 Hazard Categories:

Immediate: YES

Delayed: NO

Fire: NO

Pressure: NO

Reactivity: NO

State Regulations:

California Proposition 65: WARNING. This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Section 16	OTHER INFORMATION
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We assigned NFPA ratings and HMIS ratings to this product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, he must insure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product MSDS.