

## **SAFETY BOOSTERS, 3-110**

### **MSDS Number**

BLBBW

### **National Stock Number**

1377-01-016-4612

### **Product Name**

SAFETY BOOSTERS, 3-110

### **Manufacturer**

HILTI INC

### **Product Identification**

Product ID: SAFETY BOOSTERS, 3-110

MSDS Date: 06/14/1989

FSC: 1377

NIIN: 01-016-4612

MSDS Number: BLBBW

### **Responsible Party**

HILTI INC

5400 SOUTH 122ND EAST AVENUE

TULSA , OK 74121

US

Emergency Phone: 800-727-3427

Info Phone: 918-252-6000

Cage: EO264

### **Contractor**

HILTI INC

21148

TULSA, OK 74121

US

918-252-6000/800-879-6000

Cage: EO264

### **Ingredients**

LEAD TRINITROESORCINATE; (LEAD STYPHNATE). MFR CAS #

CAS: 15345-44-0

RTECS: OG6425000

OSHA PEL0.05 MG(PB)/M3

ACGIH TLV: 0.15 MG(PB)/M3

1-TETRAZENE, 1-GUANYL-4-NITROSAMINO GUANYL-; (TETRACENE)

CAS: 109-27-3

RTECS: XF6900000

2); (BARIUM NITRATE)

CAS: 10022-31-8

RTECS: CQ9625000

OSHA PEL0.5 MG(BA)/M3

ACGIH TLV: 0.5 MG(BA)/M3

DIPHENYLAMINE

CAS: 122-39-4

RTECS: JJ7800000

OSHA PEL10 MG/M3

ACGIH TLV: 10 MG/M3; 9192

ANTIMONY TRISULFIDE; (ANTIMONY SULFIDE)

CAS: 1345-04-6

RTECS: CC9450000

OSHA PEL0.5 MG(SB)/M3

ACGIH TLV: 0.5 MG(SB)/M3

NITROGLYCERIN

CAS: 55-63-0

RTECS: WG9532700

OSHA PELS,C, 0.2 MG/M3 STEL

ACGIH TLV: S, 0.46 MG/M3; 9293

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

NITROCELLULOSE

CAS: 9004-70-0

RTECS: QW0970000

## Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:IRRITATION TO EYES, SKIN AND RESPIRATORY SYSTEM FROM FUMES AND GASES. ADVERSE HEALTH EFFECTS ARE NOT EXPECTED FROM LONG TERM EXPOSURE TO FUMES AND GASES; HOWEVER, GOOD PERSONAL HYGIENE PRACTICES ARE ESSENTIAL TO KEEP EXPOSURE TO A MINIMUM.

Explanation of Carcinogenicity:NOT APPLICABLE .

Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.

Medical Cond Aggravated by Exposure:NONE ANTICIPATED.

## First Aid

First Aid:EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MIN. CONSULT MD IF SYMPS PERSIST. SKIN: WASH THORO W/SOAP & WATER IF IRRIT OCCURS.

INHAL: MOVE TO FRESH AIR. GET MED ATTN IF SYMPS PERSIST. INGEST: GET IM MED MED ATTN. OTHER: SEEK PROMPT MED ATTN IF PHYSICAL INJURY OCCURS FROM PINS, RIVETS, SHRAPNEL, ETC. FOR BLEEDING WOUNDS, PLACE CLEAN MATL ON WOUND & APPLY FIRM HAND PRESSURE. ELEVATE (SEE SUPP DATA)

## Fire Fighting

Extinguishing Media:WATER  
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT . FLOOD AREA WITH WATER OR KEEP CARTRIDGES COOL WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard:CARTRIDGES CAN EXPLODE WHEN EXPOSED TO TEMPERATURES ABOVE 200C.

## Accidental Release

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE. DO NOT CRUSH OR DROP. KEEP AWAY FROM EXCESS HEAT, ELECTRICAL CURRENT, AND STRONG ACIDS OR OXIDIZERS.  
Other Precautions:USE ONLY IN POWDER ACTUATED TOOLS DESIGNED TO HANDLE THESE BOOSTERS. EMPLOYEES MUST BE PROPERLY TRAINED AS PRESCRIBED IN 29CFR 1926.302(E).

## Exposure Controls

Respiratory Protection:PARTICULATE RESPIRATOR (E.G. 3M8710) WHERE AIR MOVEMENT IS INADEQUATE TO MAINTAIN EXPOSURE BELOW RECOMMENDED LEVELS. NIOSH/MSHA APPROVED .  
Ventilation:GENERAL (NATURAL OR MECHANICALLY INDUCED FRESH AIR MOVEMENTS THAT MAINTAIN EXPOSURE LEVELS BELOW RECOMMENDED LIMITS).  
Protective Gloves:IMPERVIOUS GLOVES .  
Eye Protection:CHEMICAL WORKERS GOGGLES .  
Other Protective Equipment:MUFFS OR AURAL INSERTS. SEE 29 CFR 1910.95.  
Work Hygienic Practices:WASH EXPOSED SKIN THOROUGHLY AFTER USE. WASH HANDS BEFORE EATING.  
Supplemental Safety and Health  
FIRST AID PROC: THE WOUND AND TRANSPORT IMMEDIATELY TO A MEDICAL FACILITY. WASTE DISP METH: HAZARDOUS AMMUNITION. DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS .

## Chemical Properties

Decomp Temp:Decomp Text:N/K  
Appearance and Odor:BRASS CASING COLOR CODED ON STAR CRIMP

## Stability

Stability Indicator/Materials to Avoid:YES  
STRONG ACIDS AND OXIDIZING MATERIALS  
Stability Condition to Avoid:EXCESS HEAT, CRUSHING, ELECTRICAL CURRENTS  
Hazardous Decomposition Products:NO\*X, ACRID FUMES, AND LEAD.

## Disposal

Waste Disposal Methods:MISFIRES, BENT CARTRIDGES, ETC SHOULD BE STORED IN A CNTNR OF WATER TO WHICH DETERGENT HAS BEEN ADDED AS A "WETTING" AGENT. THE ONLY PROPER DISP METH IS TO INCINERATE IN SMALL AMTS IN A BURNER SPECIFI CALLY DESIGNED FOR DESTROYING (SEE SUPPDATA)

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