

HILTI INC -- SAFETY BOOSTERS, 3-220 -- 1377-01-016-1415

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Product Identification
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Product ID:SAFETY BOOSTERS, 3-220
MSDS Date:06/14/1989
FSC:1377
NIIN:01-016-1415
MSDS Number: BLBBT
=== Responsible Party ===
Company Name:HILTI INC
Address:5400 SOUTH 122ND EAST AVENUE
Box:21148
City:TULSA
State:OK
ZIP:74121
Country:US
Info Phone Num:918-252-6000
Emergency Phone Num:800-727-3427
CAGE:EO264

==== Contractor Identification ===

Company Name:HILTI INC
Address:5400 S 122ND E AVE
Box:21148
City:TULSA
State:OK
ZIP:74121
Country:US
Phone:918-252-6000/800--879-6000
CAGE:11239
Company Name:HILTI INC
Address:5400 S 122ND EAST AVE
Box:21148
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Composition/Information on Ingredients
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Ingred Name:LEAD TRINITROESORCINATE; (LEAD STYPHNATE). MFR CAS #:
15243-440.
CAS:15345-44-0
RTECS

#:OG6425000
OSHA PEL:0.05 MG(PB)/M3
ACGIH TLV:0.15 MG(PB)/M3

Ingred Name:1-TETRAZENE, 1-GUANYL-4-NITROSAMINO GUANYL-; (TETRACENE)
CAS:109-27-3
RTECS #:XF6900000

Ingred Name:BARIUM (II) NITRATE (1:2); (BARIUM NITRATE)
CAS:10022-31-8
RTECS #:CQ9625000
OSHA PEL:0.5 MG(BA)/M3
ACGIH TLV:0.5 MG(BA)/M3

Ingred Name:DIPHENYLAMINE
CAS:122-39-4
RTECS #:JJ7800000
OSHA PEL:10 MG/M3
ACGIH TLV:10 MG/M3; 9192

Ingred Name:ANTIMONY TRISULFIDE; (ANTIMONY SULFIDE)
CAS:1345-04-6
RTECS #:CC9450000
OSHA PEL:0.5 MG(SB)/M3
ACGIH TLV:0.5 MG(SB)/M3

Ingred Name:NITROGLYCERIN
CAS:55-63-0
RTECS #:WG9532700
OSHA PEL:S,C, 0.2 MG/M3 STEL
ACGIH TLV:S, 0.46 MG/M3; 9293
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:NITROCELLULOSE
CAS:9004-70-0
RTECS #:QW0970000

===== Hazards Identification =====

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.

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===== First Aid Measures =====

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)

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===== Fire Fighting Measures =====

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.

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===== Accidental Release Measures =====

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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===== Handling and Storage =====

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).

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:PARTICULATE RESPIRATOR (E.G. 3M8710) W

HERE 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 .

===== Physical/Chemical Properties =====

Decomp Temp:Decomp Text:N/K

Appearance and Odor:BRASS CASING COLOR CODED ON STAR CRIMP

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG ACID

S AND OXIDIZING MATERIALS

Stability Condition to Avoid:EXCESS HEAT, CRUSHING, ELECTRICAL CURRENTS

Hazardous Decomposition Products:NO*X, ACRID FUMES, AND LEAD.

===== Disposal Considerations =====

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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