

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

===== Product Identification =====

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

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State:OK

ZIP:74121

Country:US

Phone:918-252-6000/800-879-6000

CAGE:EO264

===== Composition/Information on Ingredients =====

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(S
B)/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 C

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 Condition Aggravated by Exposure: NONE ANTICIPATED.

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

First Aid

id: EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MIN. CONSULT MD IF SYMPTOMS PERSIST. SKIN: WASH THOROUGHLY WITH SOAP & WATER IF IRRITATION OCCURS. INHALATION: MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. INGESTION: GET IMMEDIATE MEDICAL ATTENTION. OTHER: SEEK PROMPT MEDICAL ATTENTION IF PHYSICAL INJURY OCCURS FROM PINS, RIVETS, SHRAPNEL, ETC. FOR BLEEDING WOUNDS, PLACE CLEAN MATERIAL ON WOUND & APPLY FIRM HAND PRESSURE. ELEVATE (SEE SUPPORT DATA)

===== 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 200°C.

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

Spill Release Procedures: NONE SPECIFIED BY MANUFACTURER.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

===== 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).

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

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

ERE 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 ACIDS

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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