

HILTI INC -- SAFETY BOOSTERS 3-130 -- 1377-01-016-1416

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

Product ID:SAFETY BOOSTERS 3-130

MSDS Date:06/14/1989

FSC:1377

NIIN:01-016-1416

MSDS Number: BLBBV

=== Responsible Party ===

Company Name:HILTI INC

Address:5400 SOUTH 122ND EAST AVE

City:TULSA

State:OK

ZIP:74146

Country:US

Info Phone Num:800-727-3427

Emergency Phone Num:918-252-6000

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

City:TULSA

State:OK

ZIP:74121

Country:US

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

CAGE:EO264

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

Ingred Name:LEAD TRINITRORESORCINATE; (LEAD STYPHNATE). MFR

CAS#:15243-44-0

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 (NG) (SARA III)
CAS:55-63-0
RTECS #:QX2100000
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 Ch

ronic:IRRITATION TO EYES, SKIN & RESPIRATORY SYSTEM. ADVERSE HEALTH EFFECTS ARE NOT EXPECTED FROM LONG TERM EXPOSURE TO FUMES & GASES. HOWEVER, GOOD PERSONAL HYGIENE PRACTICES ARE ESSENTIAL TO KEEP EXPOSURE TO A MINIMUM. KNOWN HAZARDS: IRRITATION FROM FUMES & GASES.
Explanation of Carcinogenicity:NOT RELEVANT.
Effects of Overexposure:SEE HEALTH HAZARDS.
Medical Cond Aggravated by Exposure:NONE ANTICIPATED.

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

Fi
rst Aid:EYE:IF IRRIT OCCURS, FLUSH W/PLENTY OF H*2O. CALL MD IF SYMPS PERSIST. SKIN:WASH THORO W/SOAP/H*2O IF IRRIT OCCURS. INHAL:MOVE TO FRESH AIR. GET MD IF SYMPS PERSIST. INGEST:GET MD IMMED. OTHER:SEEK PR OMPT MED ATTN IF PHYSICAL INJURY OCCURSFROM PINS/RIVETS/SHRAPNEL/ETC. FOR BLEEDING WOUNDS, PLACE CLEAN MATL ON THE WOUND & APPLY FIRM HAND PRESS. ELEVATE THE WOUND & TRANSPORT IMMED TO MED FACILITY.

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

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Extinguishing Media:WATER.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . FLOOD AREA W/WATER OR KEEP CARTRIDGES COOL W/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 Stora
ge =====

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

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

Respiratory Protection:PARTICULE NIOSH/MSHA APPROVED RESPIRATOR WHERE

AIR MOVEMENT IS INADEQUATE TO MAINTAIN EXPOSURE BELOW RECOMMENDED LEVELS.

Ventilation:(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

NONE SPECIFIED BY

MANUFACTURER.

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

Appearance and Odor:BRASS CASING COLOR; CURED ON STAR CRIMP.

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS & OXIDIZING MATERIALS.

Stability Condition to Avoid:ACIDS, EXCESS HEAT, CRUSHING & ELECTRICAL CURRENTS.

Hazardous Decomposition Products:OXIDES OF NITROGEN, ACRID FUMES & LEAD.

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

Waste Disposal Methods:MISFIRES, BENT CARTRIDGES, ETC. SHOULD BE STORED IN A CONTR OF WATER TO WHICH DETERGENT HAS BEEN ADDED AS A "WETTING" AGENT. THE ONLY PROPER DISP METHOD IS TO INCIN IN SMALL AMTS IN A BURNER SPECIFICA LLY DESIGNED FOR DESTROYING HAZ AMMUNITION.

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