

HILTI INC -- SAFETY BOOSTERS -- 1325-01-212-6496

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Product Identification
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Product ID:SAFETY BOOSTERS

MSDS Date:02/07/1991

FSC:1325

NIIN:01-212-6496

MSDS Number: BLMWW

=== Responsible Party ===

Company Name:HILTI INC

Address:5400 S 122ND EAST AVE

City:TULSA

State:OK

ZIP:74146

Country:US

Info Phone Num:918-252-6000 800-727-3427

Emergency Phone Num:918-252-6000 800-727-3427

CAGE:EO264

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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

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Composition/Information on Ingredients
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Ingred Name:LEAD STYPHNATE

CAS:15245-44-0

Fraction by Wt: 1%

OSHA PEL:0.05 MG/M3 (MFR)

ACGIH TLV:0.15 MG(PB)

)/M3

Ingred Name:1-TETRAZENE, 1-GUANYL-4-NITROSAMINOQUANYL-; (TETRACENE)

CAS:109-27-3

RTECS #:XF6900000

Fraction by Wt: 0.1%

Ingred Name:BARIUM (II) NITRATE (1:2)

CAS:10022-31-8

RTECS #:CQ9625000

Fraction by Wt: 1%

OSHA PEL:0.5 MG(BA)/M3

ACGIH TLV:0.5 MG(BA)/M3

Ingred Name:NITROGLYCERIN (NG) (SARA III)

CAS:55-63-0

RTECS #:QX2100000

Fraction by Wt: 5-11%

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

RT

ECS #:QW0970000

Fraction by Wt: 7-1%

Ingred Name:BRASS

Fraction by Wt: 65-85%

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:NONE EXPECTED. POSSIBLE IRRITATION

FROM FUMES AND GASES UNDER CERTAIN CONDITIONS SUCH AS EXCESS FIRE
WITH LITTLE AIR MOVEMENT.

Explanation of Carcin

ogenicity:LEAD COMPOUND: GROUP 2B (IARC)

Effects of Overexposure:EXCESSIVE EXPOSURE MIGHT CAUSE IRRITATION TO THE EYES, SKIN AND RESPIRATORY SYSTEM. ADVERSE HEALTH EFFECTS ARE NOT EXPECTED FROM LONG TERM EXPOSURE TO FUMES AND GASES; HOWEVER, GOOD PERSONAL HYGIENE P RACTICES ARE ESSENTIAL TO KEEP EXPOSURE TO A MINIMUM.

Medical Cond Aggravated by Exposure:NONE ANTICIPATED.

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

First Aid:EYE:FLUSH W/PLENTY OF H*2O FOR AT LEAST 15 MIN. SEE MD IF

SYMP PERSIST. SKIN:PRACTICE GOOD HYGIENE BY WASHING WITH SOAP & H*2O AFTER USING & BEFORE MEALS. INHAL:MOVE TO FRESH AIR. GET MED ATTN IF SYMP PERSIST. INGEST:GET IMMED MED ATTN. GET IMMED MED ATTN IF PHYSICAL INJURY OCCURS FROM PINS/RIVETS/SHARPNEL/ETC. FOR BLEEDING WOUNDS, PLACE CLEAN MATL ON WOUND & APPLY PRESS. ELEVATE WOUND & SEE MD.

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

Extinguishing Media:WATER

Fire Figh

ting Procedures:FLOOD AREA WITH WATER OR KEEP CARTRIDGES COOL WITH WATER SPRAY. WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:CARTRIDGES CAN EXPLODE IF EXPOSED TO TEMPERATURES ABOVE 200 C.

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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 =====

Handl

ing and Storage Precautions:KEEP AWAY FROM EXCESS HEAT, ELEC CURRENT, STRONG ACIDS & OXIDIZERS. NFPA 495 REQUIRES 15 FT SEPARATION FROM FLAMM LIQ, FLAM SOLIDS & OXIDIZERS.

Other Precautions:STORE IN COOL DRY PLACE. DO NOT CRUSH OR DROP. USE ONLY IN POWDER ACTUATED TOOLS DESIGNED TO HANDLE THESE BOOSTERS. EMPLOYEES MUST BE PROPERLY TRAINED AS PRESCRIBED BY APPLICABLE OSHA REGULATION 29 CF R 1910.243 (D) OR 1926.302 (E).

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

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Respiratory Protection:NIOSH/MSHA APPROVED PARTICULATE RESPIRATOR WHERE AIR MOVEMENT IS INADEQUATE TO MAINTAIN EXPOSURE BELOW RECOMMENDED LEVELS.

Ventilation:GEN-I.E NATURAL OR MECHANICALLY INDUCED FRESH AIR MOVEMENTS THAT MAINTAIN VAPOR CONC BELOW RECOMMENDED EXPOSURE LIMITS.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:MUFFS OR AURAL INSERTS. REFER TO THE APPLICABLE OSHA REGULATION 29 CFR 1910.95 OR 1926 .101.

Work Hygienic Practices:WEAR GLOVES OR WASH HANDS THOROUGHLY AFTER HANDLING AND BEFORE MEALS OR SNACKS.

Supplemental Safety and Health

WASTE DISP: DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATION .

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

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:ACIDS, EXCESS HEAT, CRUSHING, AND ELECTRICAL CURRENTS.

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

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

Waste Disposal Methods:MISFIRES, BENT CARTRIDGES, ETC SHOULD BE STORED IN CNTNR OF H₂O TO WHICH DETERGENT HAS BEEN ADDED AS "WETTING" AGENT. THE ONLY PROPER DISP METHOD IS TO INCINERATE IN SML AMTS IN BURNER SPECIFICALLY D EIGNED FOR DESTROYING HAZ AM MUNITION.(SUPP DATA)

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