SAFETY BOOSTERS

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PRODUCT IDENTIFICATION

PRODUCT NAME: SAFETY BOOSTERS
DESCRIPTION: ALSO CALLED POWERLOADS, SAFETY CARTRIDGES, BLANKS, OR SMALL ARMS AMMUNITION (25 CAL. SHORT, 27 CAL. SHORT, 27 CAL. LONG).

HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>CAS NUMBER</th>
<th>EXPOSURE LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEAD STYPHNAHTE</td>
<td>1</td>
<td>PEL = 0.050 MG/M³ (PB)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TLV = 0.15 MG/M³ (PB)</td>
</tr>
<tr>
<td>TETRACENE</td>
<td>0.1</td>
<td>NONE ESTABLISHED</td>
</tr>
<tr>
<td>BARIUM NITRATE</td>
<td>1</td>
<td>PEL = 0.5 MG/M³ (BA)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TLV = 0.5 MG/M³ (BA)</td>
</tr>
<tr>
<td>NITROGLYCERIN</td>
<td>5-11</td>
<td>STEL = 0.1 MG/M³ (SKIN)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TLV = 0.5 MG/M³ (SKIN)</td>
</tr>
<tr>
<td>NITROCELLULOSE</td>
<td>7-17</td>
<td>NONE ESTABLISHED</td>
</tr>
<tr>
<td>BRASS</td>
<td>65-85</td>
<td>NONE ESTABLISHED</td>
</tr>
</tbody>
</table>

EL = OSHA PERMISSIBLE EXPOSURE LIMIT (AS REVISED 01/19/34). TLV = ACGIH THRESHOLD LIMIT VALUE. THESE ARE 8-HOUR TIME-WEIGHTED AVERAGES UNLESS OTHERWISE INDICATED BY "CEILING" OR "STEL" (SHORT TERM EXPOSURE LIMIT). A "SKIN" NOTATION INDICATES EXPOSURE SHOULD BE CONTROLLED FOR THE CUTANEOUS ROUTE INCLUDING THE MUCOUS MEMBRANES, EYES, AND SKIN. AIRBORNE EXPOSURES AS WELL AS DIRECT CONTACT MUST BE CONSIDERED.

PHYSICAL DATA

APPEARANCE AND ODOR: BRASS CASING COLOR CODED ON STAR CRIMP.
BOILING POINT: NOT APPLICABLE
MELTING POINT: NOT APPLICABLE
VAPOR PRESSURE: NOT APPLICABLE
VAPOUR DENSITY: NOT APPLICABLE
EVAPORATION RATE: NOT APPLICABLE
SOLUBILITY IN WATER: NOT APPLICABLE
SPECIFIC GRAVITY: NOT APPLICABLE
PH: NOT APPLICABLE

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NOT APPLICABLE
FLAMMABLE LIMITS: NOT APPLICABLE
EXTINGUISHING MEDIA: WATER
SPECIAL FIRE FIGHTING PROCEDURES: FLOOD AREA WITH WATER OR KEEP CARTRIDGES COOL WITH WATER SPRAY.
UNUSUAL FIRE AND EXPLOSION HAZARDS: CARTRIDGES CAN EXPLODE WHEN EXPOSED TO TEMPERATURES ABOVE 200°C.

REACTIVITY DATA

STABILITY: STABLE
MSDS: 101 REVISION: 001

INCOMPATIBILITY: STRONG ACIDS AND OXIDIZING MATERIALS.
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF NITROGEN, ACID FUMES, AND LEAD.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.
CONDITIONS TO AVOID: ACIDS, EXCESS HEAT, CRUSHING, AND ELECTRICAL CURRENTS.

-------------------------------- HEALTH HAZARD DATA --------------------------------

KNOWN HAZARDS: IRRITATION FROM FUMES AND GASES.
CARCINOGENICITY: NO INGREDIENTS ARE LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.
PRIMARY ROUTES OF EXPOSURE: DERMAL, INHALATION

SIGNS AND SYMPTOMS OF EXPOSURE: NONE EXPECTED. CAN CAUSE IRRITATION TO EYES, SKIN, & RESPIRATORY SYSTEM. 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.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE ANTICIPATED.

---------------- EMERGENCY AND FIRST AID PROCEDURES ----------------

EYES: IF IRRITATION OCCURS, FLUSH WITH PLENTY OF WATER. CONSULT A PHYSICIAN IF SYMPTOMS PERSIST.
SKIN: PRACTICE GOOD HYGIENE BY WASHING WITH SOAP AND WATER AFTER USING AND BEFORE MEALS.
INHALATION: MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.
INGESTION: GET IMMEDIATE MEDICAL ATTENTION.

THER: SEEK PROMPT MEDICAL ATTENTION IF PHYSICAL INJURY OCCURS FROM PINS, RIVETS, SHRAPNEL, ETC. FOR BLEEDING WOUNDS, PLACE CLEAN MATERIAL ON THE WOUND AND APPLY FIRM HAND PRESSURE. ELEVATE THE WOUND AND TRANSPORT IMMEDIATELY TO A MEDICAL FACILITY.

---------- CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT ----------

VENTILATION: GENERAL (I.E. NATURAL OR MECHANICALLY INDUCED FRESH AIR MOVEMENTS THAT MAINTAIN VAPOR CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS).
EYE PROTECTION: SAFETY GLASSES WITH SIDE SHIELDS OR SAFETY GOGGLES.
RESPIRATORY PROTECTION: PARTICULATE RESPIRATOR (E.G. 3M8710) WHERE AIR MOVEMENT IS INADEQUATE TO MAINTAIN EXPOSURE BELOW RECOMMENDED LEVELS.
HEARING PROTECTION: MUFFS OR AURAL INSERTS. REFER TO THE APPLICABLE OSHA REGULATION 29 CFR 1910.95 OR 1926.101
OTHER: CLEANING POWDER ACTUATED TOOLS CAN RESULT IN SOME EXPOSURE TO LEAD. WEAR GLOVES OR WASH HANDS THOROUGHLY AFTER HANDLING AND BEFORE MEALS OR SNACKS.

---------------- PRECAUTIONS FOR SAFE HANDLING AND USE ----------------

HANDLING AND STORING PRECAUTIONS: STORE IN A COOL, DRY PLACE. DO NOT CRUSH OR DROP. KEEP AWAY FROM EXCESS HEAT, ELECTRICAL CURRENT, STRONG ACIDS AND OXIDIZERS.

OTHER PRECAUTIONS: USE ONLY IN POWDER ACTUATED TOOLS DESIGNED TO HANDLE THESE BOOSTERS. EMPLOYEES MUST BE PROPERLY TRAINED AS PRESCRIBED BY APPLICABLE OSHA REGULATIONS 29 CFR 1910.243 (D) OR 1926.302 (E).

DISPOSAL METHODS: MISFIRES, BENT CARTRIDGES, ETC. SHOULD BE STORED IN A CONTAINER OF WATER TO WHICH DETERGENT HAS BEEN ADDED AS A "WETTING" AGENT. THE ONLY PROPER DISPOSAL METHOD IS TO INCINERATE IN SMALL AMOUNTS IN A BURNER.
SPECIFICALLY DESIGNED FOR DESTROYING HAZARDOUS AMMUNITION.

----------------------------- REGULATORY INFORMATION -----------------------------

OSHA HAZARD COMMUNICATION: THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED
IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD. THIS
PRODUCT IS CONSIDERED TO BE A HAZARDOUS CHEMICAL UNDER THAT STANDARD.

DOT PROPER SHIPPING NAME: SMALL ARMS AMMUNITION/ORM-D.

TSCA INVENTORY STATUS: CHEMICAL COMPONENTS LISTED ON TSCA INVENTORY.

SARA TITLE III, SECTION 313: THIS PRODUCT CONTAINS 1% LEAD STYPHNUM (CAS NO.
15245-44-0), 1% BARIUM NITRATE (CAS NO. 10022-31-3), AND 5-11% 
NITROGLYCERIN (CAS NO. 55-63-9) WHICH ARE SUBJECT TO REPORTING UNDER
SECTION 313 OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986
AND 40 CFR PART 372.

CONTACTS:

TECHNICAL: MICHAEL CAUSEY
HEALTH/SAFETY: STEVE GERRARD

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON DATA BE-
LIEVED TO BE CORRECT. HOWEVER, NO GUARANTEE OR WARRANTY OF ANY KIND EXPRESSED
OR IMPLIED IS MADE WITH RESPECT TO THE INFORMATION PROVIDED.