

SCSD
BUSINESS
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MATERIAL SAFETY DATA SHEET

SYRACUSE CITY SCHOOL DIST
725 HARRISON ST
SYRACUSE NY 13210

DATE: 02/22/91
INVOICE NUMBER: 64899301
PURCHASE ORDER NUMBER: K 59250C

PRODUCT NAME: SAFETY BOOSTERS

DESCRIPTION: ALSO CALLED SHOTS, LOADS, POWERLOADS, SAFETY CARTRIDGES, BLANKS AND SMALL ARMS AMMUNITION
(25 CALIBRE SHORT, 27 CALIBRE SHORT, 27 CALIBRE LONG).

HAZARDOUS INGREDIENTS

INGREDIENTS:	%	CAS NUMBER:	EXPOSURE LIMITS:
LEAD STYPHNATE	1	15245-44-0	PEL: 0.050 MG/M3 TLV: 0.150 MG/M3
TETRACENE	0.1	00109-27-3	NONE ESTABLISHED
BARIUM NITRATE	1	10022-31-8	PEL: 0.5 MG/M3 TLV: 0.5 MG/M3
NITROGLYCERIN	5-11	00055-63-0	STEL: 0.1 MG/M3 (SKIN) TLV: 0.5 MG/M3 (SKIN)
NITROCELLULOSE	7-1	09004-70-0	NONE ESTABLISHED
BRASS	65-85	NONE ESTABLISHED	NONE ESTABLISHED

PEL = OSHA PERMISSIBLE EXPOSURE LIMIT. TLV = ACGIH THRESHOLD LIMIT VALUE. THESE ARE 8 HOUR TIME-WEIGHTED AVERAGES UNLESS OTHERWISE INDICATED BY "CA" (CEILING) OR "STEL" (SHORT TERM EXPOSURE LIMIT). A "SKIN" NOTATION INDICATES EXPOSURE SHOULD BE CONTROLLED FOR THE CUTANEOUS ROUTES 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.	MELTING POINT: NOT APPLICABLE
BOILING POINT: NOT APPLICABLE	VAPOR DENSITY: NOT APPLICABLE
VAPOR PRESSURE: NOT APPLICABLE	SOLUBILITY IN WATER: NOT APPLICABLE
EVAPORATION RATE: NOT APPLICABLE	PH: NOT APPLICABLE
SPECIFIC GRAVITY: 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 IF EXPOSED TO TEMPERATURES ABOVE 200 C.	

REACTIVITY DATA

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

HEALTH HAZARD DATA

KNOWN HAZARDS: NONE EXPECTED. POSSIBLE IRRITATION FROM FUMES AND GASES UNDER CERTAIN CONDITIONS SUCH AS EXCESSIVE FIRING WITH LITTLE AIR MOVEMENT.

CARCINOGENICITY: INORGANIC LEAD COMPOUNDS ARE CLASSIFIED BY IARC AS GROUP 2B (ANIMAL) CARCINOGENS. THE NATURE AND USE OF THIS PRODUCT, HOWEVER, SHOULD NOT POSE AN INCREASED RISK OF CANCER TO HUMANS.

PRIMARY ROUTES OF EXPOSURE: DERMAL. INHALATION.

SIGNS AND SYMPTOMS OF EXPOSURE: EXCESSIVE EXPOSURE MIGHT CAUSE IRRITATION TO THE EYES, SKIN, AND RESPIRATORY SYSTEM. AVERSE 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 SYSTEMS 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.
OTHER: 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 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 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 COMPOUNDS. 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. NFPA 495 REQUIRES 15 FEET SEPARATION (OR 1 HOUR FIRE WALL) FROM FLAMMABLE LIQUIDS, FLAMMABLE SOLIDS, 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 MSDS HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD. THIS PRODUCT 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 STYPMNATE (CAS NO. 15245-44-0), 1% BARIUM NITRATE (CAS NO. 10022-31-8), AND 5-11% NITROGLYCERIN (CAS NO. 55-63-0) 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

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