

WOLF Performance Ammunition - SMALL ARMS AMMUNITION  
MATERIAL SAFETY DATA SHEET

General Information

Item Name: SMALL ARMS AMMUNITION  
Company's Name: SPORTING SUPPLIES INTERNATIONAL  
Company's Street: 1225 N. Lance Ln.  
Company's City: ANAHEIM  
Company's State: CA  
Company's Country: US  
Company's Zip Code: 92806  
Company's Emerg Ph #: 714-325-5692  
Company's Info Ph #: 714-632-9653  
Date MSDS Prepared: 01MAY02

Ingredients/Identity Information

Proprietary: NO  
Ingredient: LEAD STYPHNATE  
Ingredient Sequence Number: 01  
Percent: 1  
NIOSH (RTECS) Number: 1006706LS  
CAS Number: 15245-44-0  
OSHA PEL: 0.05 MG/M3 (PB)  
ACGIH TLV: 0.15 MG/N3 (PB)

Proprietary: NO  
Ingredient: 1-TETRAZENE, 1-GUANYL-4-NITROSAMINO GUANYL-; (TETRACENE)  
Ingredient Sequence Number: 02  
Percent: 0.1  
NIOSH (RTECS) Number: XF6900000  
CAS Number: 109-27-3  
OSHA PEL: N/K (FP N)  
ACGIH TLV: N/K (FP N)

Proprietary: NO  
Ingredient: BARIUM (II)NITRATE (1:2); (BARIUM NITRATE)  
Ingredient Sequence Number: 03  
Percent: 1  
NIOSH (RTECS) Number: CQ9625000  
CAS Number: 10022-31-8  
OSHA PEL: 0.5 MG/M3 (BA)  
ACGIH TLV: 0.5 MG/M3 (BA)  
Other Recommended Limit: 100 PPM (MFR)

Proprietary: NO  
Ingredient: NITROGLYCERIN  
Ingredient Sequence Number: 04  
Percent: 5-11  
NIOSH (RTECS) Number: QX2100000  
CAS Number: 55-63-0

OSHA PEL: 0.1 MG/M3 STEL, S  
ACGIH TLV: 0.46 MG/M3, S  
Other Recommended Limit: 0.2 PPM (MFR)

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Proprietary: NO  
Ingredient: NITROCELLULOSE  
Ingredient Sequence Number: 05  
Percent: 7-17  
NIOSH (RTECS) Number: QW0970000  
CAS Number: 9004-70-0  
OSHA PEL: N/K (FP N)  
ACGIH TLV: N/K (FP N)

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Proprietary: NO  
Ingredient: COPPER  
Ingredient Sequence Number: 06  
Percent: 45-60  
NIOSH (RTECS) Number: GL5325000  
CAS Number: 7440-50-8  
OSHA PEL: 0.1MG/M3 FUME  
ACGIH TLV: 0.2MG/M3 FUME  
Other Recommended Limit: 1 MG/M3 DUST/MIST

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Proprietary: NO  
Ingredient: ZINC COMPOUND  
Ingredient Sequence Number: 07  
Percent: 21-28  
NIOSH (RTECS) Number: 10C4580ZC  
OSHA PEL: N/K (FP N)  
ACGIH TLV: N/K (FP N)

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Proprietary: NO  
Ingredient: SUPP DATA: RSLT IN BOTH ACUTE & CHRONIC OVEREXP. INGEST OF A  
COMPLETE CARTRIDGE CAN CAUSE IRRIT TO DIGEST SYS, & (ING 9)  
Ingredient Sequence Number: 08  
NIOSH (RTECS) Number: 9999999ZZ  
OSHA PEL: NOT APPLICABLE  
ACGIH TLV: NOT APPLICABLE

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Proprietary: NO  
Ingredient: ING 8: POSS OTHER UNKNOWN EFTS.  
Ingredient Sequence Number: 09  
NIOSH (RTECS) Number: 9999999ZZ  
OSHA PEL: NOT APPLICABLE  
ACGIH TLV: NOT APPLICABLE

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Proprietary: NO  
Ingredient: FIRST AID PROC: ARE NEUROTOXINS WHICH MAY PRDCE NEUROPATHY.  
FOR AN OVERVIEW OF EFTS OF LEAD EXPOS, CONSULT (ING 11)  
Ingredient Sequence Number: 10  
NIOSH (RTECS) Number: 9999999ZZ  
OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

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Proprietary: NO

Ingredient: ING 10: OCCUP SFTY & HLTH ADMIN APPENDIX A OF OCCUP EXPOS TO  
LEAD (29CFR1910.1025). LEAD CMPDS APPEAR ON NAVY (ING 12)

Ingredient Sequence Number: 11

NIOSH (RTECS) Number: 9999999ZZ

OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

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Proprietary: NO

Ingredient: ING 11: LIST OF OCCUP CHEM REPROD HAZ. SEEK CONSULTATION FROM  
APPROP HLTH PROFESSIONALS CONCERNING LATEST HAZ (ING 13)

Ingredient Sequence Number: 12

NIOSH (RTECS) Number: 9999999ZZ

OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

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Proprietary: NO

Ingredient: ING 12: LIST INFO & SAFE HNDLG & EXPOS INFO (FP N). REPROD  
TOXIN, BLOOD TOXIN, NERV SYS TOXIN, LUNG TOXIN, KIDNEY TOXIN.

Ingredient Sequence Number: 13

NIOSH (RTECS) Number: 9999999ZZ

OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

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Proprietary: NO

Ingredient: WASTE DISP METH: DESIGNED FOR DESTROYING HAZ AMMUNITION & IN  
LINE W/LOC, ST, FED CODES WHICH GOVERN DISP.

Ingredient Sequence Number: 14

NIOSH (RTECS) Number: 9999999ZZ

OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

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Proprietary: NO

Ingredient: OTHER PROT EQUIP: STD, 29CFR1910.95.

Ingredient Sequence Number: 15

NIOSH (RTECS) Number: 9999999ZZ

OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: SCRAP CARTRIDGES SHOULD BE STORED IN A CONTR  
OF WATER TO WHICH DETERGENT HAS BEEN ADDED AS A "WETTING" AGENT.

Neutralizing Agent: NONE

Waste Disposal Method: AFTER CARTRIDGES HAVE BEEN RENDERED INERT BY PROPER  
INCIN, THE REMAINING SCRAP SHOULD BE DESOP OF I/A/W LOC, ST, & FED CODES  
WHICH GOVERN DISP. THE ONLY PROPER DISP METH FOR SCRAP CARTRIDGES IS TO  
INCIN IN SM AMTS IN A BURNER SPECIFICALLY (ING 14)

Precautions-Handling/Storing: STORE IN A COOL, DRY PLACE. DO NOT CRUSH,  
DROP, OR PUNCTURE CONTAINER. AVOID HEAT, ELECTRICAL CURRENT, ACIDS.

Other Precautions: HLTH HAZ LISTED ARE NOT EXPECTED TO BE PRESENT UNLESS  
PROD FIRED/OTHERWISE DISCHARGED SO THAT GASES & FUMES ARE CREATED. NORM  
SHIPPING/HANDLING SHOULD NOT CAUSE EXPOS TO THESE HAZS.

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Control Measures

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Respiratory Protection: IF AIRBORNE CONC EXCEED PEL'S. WEAR RESPIRATORY  
PROTECTION I/A/W OSHA STANDARD 29CFR1910.134.

Ventilation: MECHANICAL: MUST BE PROVIDED IF NECESSARY TO KEEP EXPOSURE  
LEVELS BELOW LISTED TLV'S AND/OR PEL'S.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

Eye Protection: ANSI APPRVED CHEM SAFETY GOGGLES (FP N).

Other Protective Equipment: IF NOISE LEVELS EXCEED 90 DBA FOR AN 8 TIME-  
WEIGHTED AVERAGE, USE HEARING PROT I/A/W OSHA'S HEARING CONSERVATION(ING 15

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Suppl. Safety & Health Data: EFTS OF OVEREXP: IRRIT. FRAGMENTED  
PRCJECTILES FROM PRIMERS CAN CAUSE PUNCT WOUNDS. SKIN ABSORP: NOT READILY  
ABSORBED. EYE: AFTER POWERLOADS HAVE BEEN FIRED, DUST, VAP, &/OR FUMES MAY  
CAUSE IRRIT. INGEST: WHEN POWERLOADS ARE FIRED/OTHERWISE DISCHARGED, DUST,  
VAP &/OR FUMES MAY BE ABSORBED BY DIGEST SYS, & CAN (ING 8)

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Transportation Data

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Disposal Data

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Label Data

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Label Required: NO

Label Date: 01MAY02

Label Name: SPORTING SUPPLIES INTERNATIONAL

Label Street: 1225 N. Lance Ln.

Label City: ANAHEIM

Label State: CA

Label Zip Code: 92806

Label Country: US

Label Emergency Number: 714-325-5692