

UNIVERSAL PROPULSION CO INC -- 1005-3,-13 CARTRIDGE, MORTAR -- 1377-01-052-8207
===== Product Identification =====

Product ID:1005-3,-13 CARTRIDGE, MORTAR
MSDS Date:07/11/1995
FSC:1377
NIIN:01-052-8207
MSDS Number: CCGHR
=== Responsible Party ===
Company Name:UNIVERSAL PROPULSION CO INC
Address:25401 N CENTRAL AVE
City:PHOENIX
State:AZ
ZIP:85027-7899
Country:US
Info Phone Num:602-869-8067/602-234-6663
Emergency Phone Num:602-869-8067/602-234-6663
Preparer's Name:S MILLER
CAGE:51998
=== Contractor Identification ===
Company Name:UNIVERSAL PROPULSION CO
Address:25401 N CENTRAL AVENUE
Box:City:PHOENIX
State:AZ
ZIP:85027-7899
Country:US
Phone:602-516-3340
CAGE:51998

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

Ingred Name:ZIRCONIUM
CAS:7440-67-7
RTECS #:ZH7070000
Fraction by Wt: 0.125%
OSHA PEL:5 MG/CUM
ACGIH TLV:5 MG/CUM

Ingred Name:POTASSIUM PERCHLORATE
CAS:7778

-74-7
RTECS #:SC9700000

Ingred Name:CYCLONITE; S-TRIAZINE; HEXAHYDRO 1,3,5-TRINITRO;
CYCLOTRIMETHYLENETRINITRAMINE (RDX)
CAS:121-82-4
RTECS #:XY9450000
Fraction by Wt: 80%
ACGIH TLV:1.5 MG/CUM (SKIN)

Ingred Name:WET NITROCELLULOSE, NITROCELLULOSE, NITRATE CELLULOSE
CAS:9004-70-0
RTECS #:QW0975200
Fraction by Wt: 20%

Ingred Name:BORON POTASSIUM NITRATE
Fraction by Wt: 2.34%

Ingred Name:MIXTURE OF RDX & TRIAMINE BASE
Fraction by Wt: 4%

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===== Hazards Identification =====
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Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Explanation of Carcinogenicity:NONE

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

First Aid:OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Extinguishing Media:NONE EFFECTIVE IF IGNITED.
Fire Fighting Procedures:DON'T FIGHT FIRE. IF IGNITION OCCURS, EVACUATE
AREA UNTIL UNITS HAVE BURNE
D.
Unusual Fire/Explosion Hazard:CLASSIFIED AS A DOT CARTRIDGE POWER
DEVICE 1.4S UN0323 PKG II. NET EXPLOSIVE WEIGHT 6.464 GMS.

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===== Accidental Release Measures =====

Spill Release Procedures:AN UNDAMAGED UNIT MAY BE PICKED UP & RETURNED
TO THE ORIGINAL CONTAINER.

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===== Handling and Storage =====

Handling and Storage Precautions:HANDLE & STORE AS CLASS 1.4,
COMPATIBILITY GROUP S EXPLOSIVE IAW/DOD 4145.26M. DON'T EXPO

SE TO

HEAT/OPEN FLAME/ELECTRICAL DISCHARGE OF ANY SORT.

Other Precautions: DON'T DROP/ROUGH HANDLE. AVOID INHALATION OF PRODUCTS OF COMBUSTION.

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

Respiratory Protection: NONE

Protective Gloves: NONE

Eye Protection: INDUSTRIAL SAFETY GLASSES

Other Protective Equipment: FLAME RESISTANT CLOTHING

Work Hygienic Practices: NORMAL PRACTICES.

Supplemental Safety and Health

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

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Appearance and Odor: METAL PART. NO ODOR

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

Stability Indicator/Materials to Avoid: YES

Stability Condition to Avoid: HEAT, OPEN FLAME, ELECTROSTATIC DISCHARGES, FRICTION & OTHER IGNITION SOURCES

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

Waste Disposal Methods: IF UNIT IS DAMAGED/NEEDS TO BE DISPOSED OF FOR ANY REASON, IT SHOULD BE DISPOSED OF BY PERSONNEL QUALIFIED TO DISPOSE OF EX

PLOSIVES AT AN APPROVED DISPOSAL SITE UNDER APPROVED PROCEDURES & IAW/LOCAL, STATE & FEDERAL REGULATIONS.

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