

UNIVERSAL PROPULSION COMPANY, INC. -- ROCKET CATAPULT 1001-509 -- 1377-01-088-2321

===== Product Identification =====

Product ID:ROCKET CATAPULT 1001-509

MSDS Date:06/21/1989

FSC:1377

NIIN:01-088-2321

MSDS Number: BJCRT

=== Responsible Party ===

Company Name:UNIVERSAL PROPULSION COMPANY, INC.

Address:BLACK CANYON - STAGE 1

Box:1140

City:PHOENIX

State:AZ

ZIP:85027

Info Phone Num:(602) 869-8067

Emer

gency Phone Num:(602) 869-8067

Preparer's Name:W. ROBERTS

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:AMMONIUM PERCHLORATE

CAS:7790-98-9

RTECS #:SC7520000

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

Routes of Entry: Inhalation:NO Skin:NO

Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Explanation of Carcinogenicity:NONE

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

Fire Fighting Procedures:DON'T FIGHT FIRE. EVACUATE AREA UNTIL ROCKET MOTORS BURN OUT. ROCKET MOTORS WILL BE PROPULSIVE.
Unusual Fire/Explosion Hazard:THIS ROCKET MOTOR IS CLASSIFIED AS A DOT CLASS B EXPLOSIVE.

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

Spill Release Procedures:IF ROCKET MOT
OR IS UNDAMAGED, IT MAY BE PICKED
UP & RETURNED TO ORIGINAL SHIPPING CONTAINER & EQUIVALENT. VERIFY SHIPPING CAPS IN PLACE.

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

Handling and Storage Precautions:TREAT AS A CLASS 1.3 CAPATIBILITY GROUP C EXPLOSIVE IN ACCORDANCE W/FEDERAL, STATE & LOCAL LAWS.
Other Precautions:DON'T DROP & ROUGH HANDLE IN ANY WAY. THIS PRODUCT DOESN'T CONTAIN TOXIC CHEMICALS IN AMOUNTS ABOVE REPORTING REQUIREMENTS.

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

Eye Protection:SAFETY GLASSES
Other Protective Equipment:FLAME-RESISTANT CLOTHING
Supplemental Safety and Health
THIS ROCKET CATAPULT ASSEMBLY CONTAINS A SOLID COMPOSITE PROPELLANT GRAIN THAT WEIGHS APPROXIMATELY 11.7 POUNDS. TWO PERCUSSION PRIMERS, M42-5086-0.04 GMS. EXPLOSIVE (APPROX). BKNO3 IGNITION MATERIAL - 6.74 GMS.

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

Stability Indicator/Materials to Avo

id:YES

Stability Condition to Avoid:HEAT, OPEN FLAMES, ELECTRICAL DISCHARGE

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

Waste Disposal Methods:IF THE ROCKET MOTOR IS DAMAGED OR NEEDS TO BE
DISPOSED OF FOR ANY REASON, IT SHOULD BE DISPOSED OF ONLY BY
PERSONS QUALIFIED TO DISPOSE OF EXPLOSIVES, AT AN APPROVED SITE,
UNDER APPROVED PROCEDURES. D OD 4145.26M, DOD 5154.45

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