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PACIFIC SCIENTIFIC INC. HTL ENERGY SYSTEMS DIV. -- 2-501070 -- 3040-01-126-8719

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

Product ID:2-501070 MSDS Date:08/09/1988

FSC:3040

NIIN:01-126-8719

Status Code:A

MSDS Number: CJMBR === Responsible Party ===

Company Name: PACIFIC SCIENTIFIC INC. HTL ENERGY SYSTEMS DIV.

Address:7073 W. WILLIS RD.,

City:CHANDLER

State:AZ ZIP:85226 Country:US

Info Phone Num:602-961-11

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Emergency Phone Num:602-961-1100

CAGE:TO276

=== Contractor Identification ===

Company Name: PACIFIC SCIENTIFIC INC. HTL ENERGY SYSTEMS DIV.

Address:7073 W. WILLIS RD.,

Box:City:CHANDLER

State:AZ ZIP:85226 Country:US

Phone:602-961-1100

CAGE:TO276

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

Ingred Name: POTASSIUM PERCHLORATE

CAS:7778-74-7

RTECS #:SC9700000

= Wt:52.

Other REC Limits: NONE RECOMMENDED

ACGIH TLV:15 MG/M3 TDUST

Ingred Name: ZIRCONIUM POWDER

CAS:7440-67-7

RTE

CS #:ZH7070000 = Wt:42. Other REC Limits:NONE RECOMMENDED ACGIH TLV:5 MG/M3 ACGIH STEL:10 MG/M3
Ingred Name:GRAPHITE CAS:7782-42-5 RTECS #:MD9659600 = Wt:3. Other REC Limits:NONE RECOMMENDED OSHA PEL:see Table Z-3 ACGIH TLV:2 MG/M3
Ingred Name:VITON-B = Wt:3.
Other REC Limits:NONE RECOMMENDED
=========== Hazards Identification ============
LD50 LC50 Mixture:UNAVAILABLE AT PRESENT TIME. Health Hazards Acute and Chronic:TARGET ORGANS: N/P. HUMAN EFFECTS OF OVEREXPOSURE : CURRENTLY NO INFORMATION AVAILABLE. Effects of Overexposure:CURRENTLY NO INFORMATION AVAILABLE
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First Aid:INHALATION: PROLONGED EXPOSURE TO DUST MAY CAUSE IRRITATION TO SKIN, MUCOUS MEMBRANES, AND EYES. REMOVE TO FRESH AIR. ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. CONSULT A PHYSICIAN IMMEDIATELY. EYE CONTACT: FLUSH EYES WITH PLENTY OF WATERFOR 15 MINUTES. CONTACT PHYSICIAN. SKIN CONTACT: WASH SKIN WITH S OAP AND
WATER, REMOVE CONTAMINATED CLOTHING, WASH CLOTHING BEFORE REUSE. INGESTION: CONTACT PH YSICIAN IMMEDIATELY.
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Autoignition Temp:>260.C, 500.F

Extinguishing Media:WATER FOG TO EXTINGUISH RESULTING FIRE, AND TO LOWER TEMPERATURE. FLLOD WITH WATER, DO NOT SMOTHER WITH BLANKET OR DRY CHEMICAL AS PERCHLORATES SUPPLY THEIR OWN OXYGEN TO FEED A FIRE Fire Fighting Procedures:MAINTAIN SAFE QUANTITY DISTANCE RELA

HONSHIP.
======== Accidental Release Measures ==========
Spill Release Procedures:FLOOD WITH WATER.
=========== Handling and Storage ============
Handling and Storage Precautions:STORE BETWEEN -60 F AND 160F. PROTECT FROM ELECTROSTATIC DISCHARGE.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:NOT REQUIRED IN NON-RUPTURED UNITS. Ventilation:USE ONLY IN WELL VENTILATED AREAS, 20% TO 65% HUMIDITY. Eye P
rotection:SAFETY GLASSES OR EYE SHIELDS. Other Protective Equipment:SHOES: CONDUCTIVE SHOES, WRIST STATS OR LEG STATS OVER NON-CONDUCTIVE SHOES.
Supplemental Safety and Health HCC G3 IS FOR FINISHED PRODUCT. FOR NITROGEN, SEE MG INDUSTRIES, SAME NSN.
======== Physical/Chemical Properties ==========
HCC:G3 Spec Gravity:(H20=1) Evaporation Rate & Description (Solubility in Water:SLIGHT Appearance and Odor:1 3/8" HEX BODY (METAL) X APPROX. 1 5/8" LG - NO ODOR . DARK GRAY/BLACK POWDER
======= Disposal Considerations ==========
Waste Disposal Methods:DISPOSE OF EXPOSED MATERIAL BY BURNING IN SUITABLE PIT OR INCINERATOR.
========= MSDS Transport Information ==========
Transport Information:HELLFIRE BOTTLE P/N 13008160: THIS IS A PART OF

Transport Information:HELLFIRE BOTTLE P/N 13008160: THIS IS A PART OF THE HELLFIRE MISSILE. THIS IS CHARGED WITH NITROGEN GAS TO 8000 PSI. IT IS ACTUATED BY A SMALL SQUIB IN THE NECK OF THE BOTTLE. GAS FLOWS FROM THE PR E

SSURE REGULATOR AT A CONTROLLED RATE UPON
ELECTRICAL ACTUATION OF THE SQUIB. THIS BOTTLE WAS SHIPPED
ORIGINALLY ON A DOD CERTIFICATE OF EQUIVALENCY, AY-83-190. THIS
COF WAS SUPERCEDED BY AY-96-183 REV 1 AND 2, PER MANUFACTURER,
DATED APRIL 16, 1999..

============== Other Information ======================

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