

WHITTAKER ORDNANCE -- CABLE CUTTER,4588 -- 1377-01-084-2455

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

Product ID:CABLE CUTTER,4588

MSDS Date:10/25/1991

FSC:1377

NIIN:01-084-2455

MSDS Number: BPZTS

=== Responsible Party ===

Company Name:WHITTAKER ORDNANCE

Address:2751 SAN JUAN ROAD

City:HOLLISTER

State:CA

ZIP:95023

Country:US

Info Phone Num:408-637-5851

Emergency Phone Num:800-255-3924 (CHEM-TEL,INC)

Prep

Preparer's Name:JIM HART

CAGE:IO940

=== Contractor Identification ===

Company Name:UNITED TECHNOLOGIES INC. SIKORSKY AIRCRAFT DIV.

Address:6900 MAIN STREET

Box:7016

City:STRATFORD

State:CT

ZIP:06601-1381

Country:US

Phone:203-386-3791

CAGE:78286

Company Name:WHITTAKER ORDNANCE

Address:2751 SAN JUAN RD

Box:148

City:HOLLISTER

State:CA

ZIP:95023

Country:US

Phone:408-637-5851

CAGE:IO940

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

Ingredient Name:ZIRCONIUM

CAS:7440-67-7

RTECS #:ZH70

70000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3/10 MG/M3STEL
ACGIH TLV:5 MG/M3/10 MG/M3STEL

Ingred Name:AMMONIUM DICHROMATE (SARA III).OSHA PEL FOR CHROMIC ACID &
CHROMATES.ACGIH TLV FOR CR(VI) COMPOUNDS.

CAS:7789-09-5
RTECS #:HX7650000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG(CRO3)/M3,CEIL
ACGIH TLV:0.05 MG(CR(VI))/M3
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:AMMONIUM PERCHLORATE

CAS:7790-98-9
RTECS #:SC7520000
Other REC Limits:NONE RECOMMENDED

Ingred Name:BARIU

M CHROMATE.OSHA PEL FOR CHROMIC ACID & CHROMATES.ACGIH
TLV FOR CR(VI) COMPOUNDS.

CAS:10294-40-3
RTECS #:CQ8760000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG(CRO3)/M3,CEIL
ACGIH TLV:0.05 MG(CR(VI))/M3

Ingred Name:CYCLONITE (RDX)

CAS:121-82-4
RTECS #:XY9450000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1.5 MG/M3,SKIN
ACGIH TLV:1.5 MG/M3,SKIN

Ingred Name:NITROCELLULOSE

CAS:9004-70-0
RTECS #:QW0970000
Other REC Limits:NONE RECOMMENDED

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

=====

LD50 LC50 Mixture:NOT KNOWN

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:HAZARDOUS CONSTITUENTS SEALED WITHIN
MFR ARTICLE.NO CHEMICAL EXPOSURE UNDER NORMAL HANDLING CONDITIONS
EXCEPT WHEN UNIT IS IGNITED.EXPOSURE OF PERSONNEL TO IGNITION OF
THIS UNIT MAY RESULT IN PHYSICAL INJURY.

Explanation of Carcinogenicity:CR(VI) CMPD:SUFF EVID FOR CARCIN IN
HUMANS & ANIMALS

(IARC,1987).CR & CERTAIN CR CMPD:KNOWN HUMAN
CARCINOGEN (SEE SUPP)

Effects of Overexposure:EYES/SKIN/INGESTION/INHALATION:NOT LIKELY
ROUTES OF EXPOSURE FOR SEALED HAZARDOUS CONSTITUENTS.INHALATION OF
COMBUSTION PRODUCTS COULD IRRITATE RESPIRATORY SYSTEM.CONTACT OF
SKIN OR EYES MAY CAUSE IRR ITATION.

Medical Cond Aggravated by Exposure:COMBUSTION PRODUCTS COULD AGGRAVATE
EXISTING RESPIRATORY CONDITION.

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

Firs

t Aid:FOLLOW APPROPRIATE LOCAL EMERGENCY REACTION PLANS.GIVE FIRST
AID APPROPRIATE TO INJURY. INHALATION:IF EXPOSED TO COMBUSTION
PRODUCTS,REMOVE TO AREA OF FRESH AIR.SEEK MEDICAL ATTENTION IF
NECESSARY.

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

Flash Point:NOT KNOWN

Lower Limits:NOT KNOWN

Upper Limits:NOT KNOWN

Extinguishing Media:NOT EXTINGUISHABLE.MAY BE ACTIVATED BY FIRE IN
SURROUNDING PACKAGING OR COMBUSTIBLES.USE MEDIA APPROPRIATE FOR
(SEE S
UP)

Fire Fighting Procedures:ONLY FIGHT DIVISION 4 (CLASS C) FIRE FROM A
SAFE FIRE-FIGHTING OPERATIONAL DISTANCE.EVACUATE ALL PERSONNEL FROM
IMMEDIATE AREA OF FIRE INVOLVING EXPLOSIVES.

Unusual Fire/Explosion Hazard:MOD FIRE HAZ.UNITS,WHEN
ACTIVATED,GENERALLY CONTAIN HAZ COMBUST PROD/FRAGMENTS UNDER NORMAL
USE.IF FIRE SITUATIONS RELEASE OF TOXIC SMOKE,FLAME MAY BE
POSSIBLE.

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

Spill Release Procedures:IF UNIT

BECOMES DAMAGED SO AS TO EXPOSE SEALED
MATERIAL,CONSULT WITH WHITTAKER ORDNANCE ENGINEERS FOR GUIDANCE.
Neutralizing Agent:NOT KNOWN

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

Handling and Storage Precautions:AUTHORIZE HANDLING ONLY BY
TRAINED,QUALIFIED PERS.HANDLE,STORE,TRANSPORT AS CLASS C
EXPLOSICE.DO NOT STORE WITH HIGH EXPLOSIVES.KEEP AWAY FROM FIRE.
Other Precautions:KEEP UNIT SHUNTED UNTIL CONNECTION TO CIRCUITRY.NEVER
ATTEMPT TO DISASSEMBLE,MACH
INE OR MODIFY UNITS OR PHYSICAL INJURY
MAY RESULT.TEST FIRE UNITS ONLY IN LOCATION ISOLATED FROM PERSONNEL
& VENTED TO OUTSIDE WORK AREA. (SEE SUPP DATA)

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

Respiratory Protection:IF EXPOSED TO COMBUSTION PRODUCTS,USE A NIOSH
APPROVED ORGANIC VAPOR,ACID GAS CARTRIDGE RESPIRATOR WITH DUST
FILTERS.IN EMERGENCY FIRE,USE SELF-CONTAINED BREATHING APPARATUS
AND FULL FACE PROTECTION I S RECOMMENDED.
Ventilation:LOCA
L EXHAUST TO OUTSIDE ATMOSPHERE.
Eye Protection:SAFETY GLASSES
Other Protective Equipment:FLAME RETARDANT,COTTON CLOTHING.CONDUCTIVE
FOOTWEAR OR OTHER PERS GROUNDING RECOMMENDED WHEN HANDLING EXPOSED
UNITS.
Work Hygienic Practices:OPERATIONAL SHIELDING & HEARING PROT
RECOMMENDED FOR TESTING AS NEEDED.AVOID BREATHING/INGESTION
PRODUCTS OF COMBUSTION.
Supplemental Safety and Health
TOTAL NET EXPLO WT:2.05 G/UNIT.EXTING MEDIA:SURROUNDING FIRE CONDTNS IF
SAFE.EXPLAN OF CARCIN:(NT
P,1991).CR(VI):KNOWN TO CAUSE CANCER (CAL
PROP 65,1987).CERTAIN WATER INSOL CR(VI) CMPDS:ACGIH A1=KNOWN
HUMAN CARCIN (1993).OTHER PREC:AVOID PLACING FINGERS IN OPENING TO
KNIFE BLADE WHEN HNDL UNITS TO PREVENT AMPUTATION.

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

Boiling Pt:B.P. Text:NOT KNOWN
Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN
Decomp Temp:Decomp Text:NOT KNOWN
Vapor Pres:NOT KNOWN
Vapor Density:NOT KNOWN
Spec Gravity:NOT KNOWN
Evaporation Rate & ;

Reference:NOT KNOWN

Solubility in Water:NOT KNOWN

Appearance and Odor:MANUFACTURED ARTICLE.SEALED ELECTROEXPLOSIVE DEVICE
CONTAINS PRESSED MIXTURES.

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

Stability Indicator/Materials to Avoid:YES

FLAMMABLE LIQUIDS,STRONG ACIDS OR BASES.

Stability Condition to Avoid:FLAME,HIGH TEMP,ELECTROSTATIC
DISCHARGE,IMPACT,ELECTRICAL CURRENT OR RF ENERGY.

Hazardous Decomposition Products:GASES,FUMES OR RESIDUES:CARBON
MONOXIDE,CAR

BON DIOXIDE,NITROGEN OXIDES,NH*3,HCL,OXIDES OF
ZIRCONIUM,BARIUM,CHROMIUM.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:UNIT MAY ONLY BE DISPOSED OF IN ACCORDANCE WITH
ALL FEDERAL,STATE,& LOCAL REGULATIONS,AFTER COMPLETE FUNCTIONING BY
TEST-FIRING AND/OR THERMAL TREATMENT IN APPROVED,PERMITTED
FACILITY.

Disclaimer (provided with this information by the compiling agencies):
This in

formation is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.