

MCDONNELL DOUGLAS HELICOPTER CO SUB OF MCDONNELL D -- NICKEL-CADMIUM (NI-CD) BATTERY,VENTED,10K01 -- 6140-00-930-5130

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

Product ID:NICKEL-CADMIUM (NI-CD) BATTERY,VENTED,10K01

MSDS Date:08/27/1992

FSC:6140

NIIN:00-930-5130

MSDS Number: BPXYC

=== Responsible Party ===

Company Name:MCDONNELL DOUGLAS HELICOPTER CO SUB OF MCDONNELL D

Address:5000 E MCDOWELL RD

Box:6370

City:MESA

State:AZ

ZIP:85215-9789

Country:US

Info Phone Num:602-891-3000

Emergency Phone Num:602-891-3000

CAGE:02731

=== Contractor Identification ===

Company Name:MCDONNELL DOUGLAS HELICOPTER CO

Address:6775 CENTINELA AVENUE

Box:City:CULVER CITY

State:CA

ZIP:90230

Country:US

Phone:310-305-6562

CAGE:02731

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

Ingred Name:NO INGREDIENT FOR THIS FORMULATION_INGREDIENT

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

=====

LD50 LC50 Mixture:NOT KNOWN

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

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

Health Hazards Acute and Chronic:INTACT BATTERIES PRESENT NO SPECIFIC HAZARDS.BURNING BATTERIES MAY EMIT TOXIC FUMES.

Explanation of Carcinogenicity:CD & CMPD:LTD EVID FOR CARCIN IN

HUMANS,SUFF IN ANIMALS (IARC 1987);SUSP HUMAN,KNOWN ANIMAL CARCIN (NTP 1991);(SUP DATA)

Effects of Overexposure:LEAKING BATTERIES LEAK CORROSIVE MATERIAL

IRRITATING TO EYES,SKIN,MUCOUS MEMBRANES.ELECTROLYTE EXPOSURE TO SKIN,EYES WILL CAUSE SEVERE IRRITATION,INHALATION OF FUMES MAY CAUSE SEVERE RESPIRATORY IRRITATION.

Medical Cond Aggravated by Exposure:BURNING BATTERIES:RESPIRATORY AILMENTS.LEAKING BATTERIES:SKIN CONDITIONS.

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

First Aid:BATTERY CONTENTS IN CONTACT WITH EYES/SKIN:WASH AFFECTED AREA WITH CLEAN WATER FOR AT LEAST 15 MINUTES.DO NOT ATTEMPT TO NEUTRALIZE.SEEK MEDICAL ATTENTION PROMPTLY.INGESTION/INHALATION:NOT KNOWN.

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

Flash Point:NOT KNOWN

Lower Limits:NOT KNOWN

Upper Limits:NOT KNOWN

Extinguishing Media:USE CARBON DIOXIDE OR DRY CHEMICAL FIRE EXTINGUISHER,10-B:C.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE SELF-CONTAINED BREATHING APPARATUS (SCBA).

Unusual Fire/Explosion Hazard:BATTERY/CELLS MAY RUPTURE AND/OR RELEASE TOXIC FUMES,IF SUBJECTED TO FIRE/EXTREME HEAT.FIRE MAY CAUSE BATTERY TO FUME.

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

Spill Release Procedures:AVOID SKIN OR EYE CONTACT.USE NONFLAMMABLE ABSORBENT FOR CLEANUP.COORDINATE WITH INSTALLATION SAFETY AND ENVIRONMENTAL OFFICES.

Neutralizing Agent:NOT KNOWN

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

Handling and Storage Precautions:DO NOT ABUSE OR SHORT CIRCUIT.WHEN STORING,STORE IN COOL,DRY& WELL VENTILATED AREA,SEPARATE FROM OTHER HAZ MATLS,WHICH IS APPROVED BY LOCAL FIRE DEPT.

Other Precautions:DO NOT INVERT OR CAUSE TO SPILL.RECHARGE IAW METHODS SPECIFIED IN APPLICABLE TECHNICAL MANUAL.

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

Respiratory Protection:IF BATTERIES ARE BURNING USE SELF-CONTAINED BREATHING APPARATUS (SCBA).

Ventilation:CONTACT LOCAL SAFETY/INDUSTRIAL HYGIENE OFFICE TO DETERMINE IF LOCAL EXHAUST VENTILATION IS NEEDED .

Protective Gloves:CH

EMICALLY RESISTANT IF LEAKING.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:CHEMICALLY RESISTANT APRON.

Work Hygienic Practices:AVOID SKIN OR EYE CONTACT WITH ELECTROLYTE.DO
NOT EAT OR SMOKE IN BATTERY SERVICE AREA.

Supplemental Safety and Health

EXPLAN OF CARCIN:ACGIH:A2=SUSP HUMAN CARCIN (1992-93);CHEMICALS KNOWN
TO CAUSE CANCER (PROP CAL 1987).NI/CMPD:SUFF EVID FOR CARCIN IN
HUMANS AND ANIMALS (IARC 1987);SUSPECTED HUMAN,KNOWN ANIMAL CARCIN
OGEN (NTP 1991

);ACGIH:A1=CONFIRMED HUMAN CARCIN (1992-93);CHEMICALS
KNOWN TO CAUSE CANCER (PROP CAL 1987).

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

HCC:B1

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:NOT KNOWN

===== Stability and Reactivity Data

=====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENT,ACIDS.

Stability Condition to Avoid:FIRE AND EXTREME HEAT.DO NOT SHORT CIRCUIT
OR OVERCHARGE.

Hazardous Decomposition Products:TOXIC FUMES

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSAL MUST BE IAW FEDERAL,STATE,AND LOCAL
REGULATIONS.COORDINATE WITH SUPPORTING INSTALLATION AND/OR MACOM
ENVIRONMEN

TAL OFFICE PRIOR TO DISPOSAL .NI-CD BATTERIES CLASSIFIED
AS HAZARDOUS WASTE UNDER RCRA REGULATIONS.RECYCLING IS PREFERRED.

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