

ICI AMERICAS FILMS DIV -- CHARGE A,PROPELLANT INCREMENT M90A1:MORTAR

=====
MSDS Safety Information
=====

FSC: 1315
NIIN: 00-370-3548
MSDS Date: 08/21/1991
MSDS Num: BPRGM
Product ID: CHARGE A,PROPELLANT INCREMENT M90A1:MORTAR
MFN: 01
Responsible Party
Cage: 70657
Name: ICI AMERICAS INC FILMS DIV
Address: NEW MURPHY RD AND
CONCORD PIKE
City: WILMINGTON DE 19897
Info Phone Number: 302-886-3000 (TECHNICAL)
Emergency Phone Number: 800-327-8633 (MEDICAL)
Proprietary Ind: Y
Review Ind: Y
Published: Y

=====
Contractor Summary
=====

Cage: 70657
Name: ICI AMERICAS INC FILMS DIV
Address: NEW MURPHY RD AND CONCORD PIKE
City: WILMINGTON DE 19897
Phone: UNKNOWN

=====
Item Descr
ption Information
=====

Item Manager: B14
Item Name: CHARGE,PROPELLING,81 MILLIMETER
Unit of Issue: EA
UI Container Qty: Z

=====
Ingredients
=====

Name: *** PROPRIETARY ***

=====
Health Hazards Data
=====

LD50 LC50

Mixture: SEE INGREDIENT 1.
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO

Effects of Exposure: NITROGLYCERIN CAN CAUSE ALLERGIC CONTACT
DERMATITIS.HYPERTENSION,BLINDNESS,LIVER AND KIDNEY INJURY CAN RESULT AFTER
EXTREME NITROGLYCERIN EXPOSURE.

Explanation Of Carcinogenicity: NONE

Signs And Symptoms Of Overexposure: HAZARDS ARE FOR NITROGLYCERIN. SKIN
IRRITATION, HEADACHE, DECREASED BLOOD PRESSURE & AT HIGH EXPOSURE
METH

EMOGLOBIN FORMATION. BLOOD CONC OF 15-25% METHEMOGLOBIN CAUSES CYANOSIS,
EUPHORIA, HEADACHE, LIGHT-HEADEDNESS, ATAXIA, WEAKNESS, RAPID HEARTBEAT,
LABORED BREATHING, NAUSEA, VOMITING, MENTAL CONFUSION.

Medical Cond Aggravated By Exposure: ANEMIA AND GLAUCOMA MAY BE AGGRAVATED BY
EXTREME OVEREXPOSURE TO NITROGLYCERIN.

First Aid: EYES:IMMED FLUSH W/ H₂O.REMOVE CONT LENSES.CONTINUE FLUSHING FOR AT
LEAST 15 MIN.SYMP DEVELOP:GET MED ATTN. SKIN:WASH SKIN/HAIR/NAILS W/ LOTS OF
SOAP & H₂O

O.REMOVE CONTAM CLTHG/SHOES.GET MED ATTN. IN GEST:DRINK 1-2
GLASSES H₂O.GET MED ATTN.GIVE NOTHING BY MOUTH IF UNCON. INHAL:MOVE TO FRESH
AIR.SYMP DEVELOP:GET MED ATTN.MD NOTE:USE SUPPORTIVE MEASURES-BED REST &
OXYGEN INHALATION.(SEE SUPP DATA)

=====
Handling and Disposal
=====

Spill Release Procedures: IF BAG OPEN:ELIM ALL IGNIT SOURCES.VENTILATE
AREA.WEAR SKIN PROT DURING CLEANUP.CLE
AN UP IMMED USING SOFT BRISTLED BRUSH

& CONDUCTIVE RUBBER OR PLASTIC SHOVEL.USE EXTREME CAUTION-MATERIAL IS
SENSITIVE TO FRICTION,IMPACT & ELECTROSTATIC DISCHARGE.

Neutralizing Agent: NOT KNOWN

Waste Disposal Methods: DISP IAW FED,STATE,& LOCAL REG.COORDINATE W/
SUPPORTING INSTALLATION/MACOM ENVIRON OFFICE BEFORE DISP (FP A).EMPTY CONTR
MAY RETAIN RESIDUE.OBSERVE ALL PRECAUTIONS.USE EMPTY CONTR ONLY FOR ORIGINAL
PR ODUCT.DISP EMPTY CLOTH BAGS/CONTRS IAW ARMY REGS.

Handling

And Storage Precautions: EXPLOSIVE,UNSTABLE,FLAMMABLE SOLID.FOLLOW ARMY REGS FOR HANDLING & STORAGE.OPEN CONTRS IN WELL-VENT AREA,ALLOW ACCUM VAPORS TO ESCAPE PRIOR TO HNDLG.

Other Precautions: PREVENT SKIN CONTACT WITH BAG CONTENTS.AVOID BREATHING DUSTS.

=====
Fire and Explosion Hazard Information
=====

Extinguishing Media: DELUGE WITH WATER.ALL MATERIAL MAY BE CONSUMED BEFORE FIRE

EXTINGUISHED UNLESS LARGE QTIES OF WATER USED VERY QUICKLY.

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS (SCBA) AND FULL TURNOUT GEAR (FP A).EVACUATE THE AREA.

Unusual Fire/Explosion Hazard: EXPLOSIVE TEMPERATURE:500F,260C (5 SECONDS).EASILY IGNITED,HIGHLY COMBUSTIBLE EXPLOSIVE.

=====
Control Measures
=====

Respiratory Protection: MSHA-NIOSH APPROVED POSITIVE PRESSURE AIR -SUPPLIED

RESPIRATOR PROVIDES THE BEST PROTECTION.

Ventilation: USE LOCAL EXHAUST IF NEEDED TO KEEP EXPOSURES TO A MINIMUM.

Protective Gloves: IMPERVIOUS

Eye Protection: CHEMICAL SAFETY GOGGLES (FP A).

Other Protective Equipment: IMPERVIOUS COVERALLS & APRON.EYEWASH FACILITIES AS NEEDED.

Work Hygienic Practices: WASH CONTAM CLTHG & DECONTAMINATE SHOES BEFORE REUSE.SHOWER THOROUGHLY AT END OF WORK SHIFT.WASH WORK CLOTHES DAILY.

Supplemental Safety and Health: TRADE NAME:CARTRIDGE 81MM.PART NO:9233369.SPEC

GRAV:1.69 (PROPELLENT M9).FIRST AID PROC:DO NOT ADMINISTER ALCOHOL IN ANY FORM.IF CYANOSIS IS SEVERE,MAY BE HELPFUL TO ADMINISTER 1% METHYLENE BLUE,1-2 M G/KG BODY WT OVER 5-MIN INTERVALS.REPEAT AFTER 1 HOUR IF NEC,DO NOT EXCEED 7 MG/KG TOTAL DOSE.

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

M.P/F.P Text: NOT KNOWN

Decomp Text: NOT KNOWN

Vapor Pres: SEE ING 1

Vapor Density: S

EE ING 1

Spec Gravity: SEE SUPP

Evaporation Rate & Reference: NOT KNOWN

Solubility in Water: NEGLIGIBLE

Appearance and Odor: SEWN CLOTH BAGS CONTAINING PROPELLENT.

Percent Volatiles by Volume: NEGLIG

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: STABLE UNDER NORMAL CONDITIONS.

Materials To Avoid: ACIDS AND BASES.

Hazardous Decomposition Products: COMBUSTIO

N PRODUCTS: CARBON DIOXIDE, CARBON

MONOXIDE, NITROGEN OXIDES.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

Toxicological Information

Ecological Information

MSDS Transport In formation

Regulatory Information

Other Information

HAZCOM Label

Product ID: CHARGE A, PROPELLANT INCREMENT M90A1: MORTAR

Cage: 70657

Company Name: ICI AMERICAS INC FILMS DIV

Street: NEW MURPHY RD AND CONCORD PIKE

City: WILMINGTON DE

Zipcode: 19897

Health Emergency Phone: 800-327-8633 (MEDICAL)

Label Required IND: Y

Date Of Label Review: 04/29/1992

Status Code: C

MFG Label NO: NOT KNOWN

Label Date: 04/29/1992

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Respiratory Protection IND: YES

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: Severe

Reactivi

ty Hazard: None

Hazard And Precautions: EASILY IGNITED,HIGHLY COMBUSTIBLE EXPLOSIVE.MATERIAL IS SENSITIVE TO FRICTION,IMPACT AND ELECTROSTATIC DISCHARGE.KEEP AWAY FROM HEAT,SPARKS,AND FLAME. NO HEALTH HAZARDS EXPECTED WITH GOOD INDUSTRIAL HYGIENE HOWEVER OPEN BAG WITH EXPOSURE TO NITROGLYCERIN RESULTS IN THE FOLLOWING EFFECTS.SKIN:IRRITATION. SKIN ABSORPTION/INGESTION/INHALATION:HEADACHE,METHEMOGLOBIN FORMATION WITH CYANOSIS,LIGHT-HEADE DNESS,RAPID HEARTBEAT,LABORED BREATHING,NAUSEA,VOMITING,MENTAL CONFUSION. CHRONIC:EXTREME EXPOSURE TO NITROGLYCERIN CAN CAUSE ALLERGIC CONTACT DERMATITIS,HYPERTENSION,BLINDNESS,LIVER AND KIDNEY INJURY .

=====
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, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.