

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 A

ND 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 Description 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 LC

50 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 Symptions Of Overexposure: HAZARDS ARE FOR NITROGLYCERIN. SKIN
IRRITATION, HEADACHE, DECREASED BLOOD PRESSURE & AT HIGH EXPOSURE
M

ETHEMOGLOBIN 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.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.

CLEAN 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.

Handl

ing 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.PA

RT 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

: SEE 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: COMBUSTION PRODUCTS:CARBON DIOXIDE,CARBON MONOXIDE,NITROGEN OXIDES.
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: WILL NOT OCCUR.

=====

Toxicological Information

=====

=====

Ecological Information

=====

=====

MSDS Transport Information

=====

=====

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
React

ivity 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 H YGIENE 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,N AUSEA,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.