

ICI AMERICAS FILMS DIV -- CHARGE A,PROPELLANT INCREMENT M90:MORTAR (S

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

FSC: 1315  
NIIN: 00-883-1472  
MSDS Date: 08/21/1991  
MSDS Num: BPRKW  
Product ID: CHARGE A,PROPELLANT INCREMENT M90:MORTAR (S  
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 Description Information  
=====

Item Manager: B14  
Item Name: CHARGE,PROPELLANT INCREMENT  
Unit of Issue: EA  
UI Container Qty: Z

=====  
Ingredients  
=====

Name: \*\*\* PROPRIETARY \*\*\*  
-----

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

LD50 LC50 Mix

ture: 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 METHEMO

GLOBIN 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/ H\*2O.REMOVE CONT LENSES.CONTINUE FLUSHING FOR AT LEAST 15 MIN.SYMP DEVELOP:GET MED ATTN. SKIN:WASH SKIN/HAIR/NAILS W/ LOTS OF SOAP & H\*2O.R

REMOVE CONTAM CLTHG/SHOES.GET MED ATTN. IN GEST:DRINK 1-2

GLASSES H\*2O.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.

Handling An

d 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 EXT

INGUISHED 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-SU PPLIED

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: 8881021.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 PROPELLANT.  
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 M  
90: MORTAR (S)  
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  
Reactivity

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 liability 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.