

IRECO INCORPORATED -- DETONATOR,ELECTRICALLY INITIATED -- 1375-00-756-1865

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

Product ID:DETONATOR,ELECTRICALLY INITIATED

MSDS Date:02/19/1988

FSC:1375

NIIN:00-756-1865

MSDS Number: BPZSH

=== Responsible Party ===

Company Name:IRECO INCORPORATED

Address:PORT EWEN PLANT

City:PORT EWEN

State:NY

ZIP:12466

Country:US

Info Phone Num:914-338-2144

Emergency Phone Num:914-3

38-2144,800-424-9300(CHEMTREC)

CAGE:JO851

=== Contractor Identification ===

Company Name:IRECO INC

Address:ELEVENTH FLOOR CROSSROADS TOWER

Box:City:SALT LAKE CITY

State:UT

ZIP:84144-0103

Country:US

Phone:801-364-4800/801-322-9738

CAGE:1D557

Company Name:IRECO INCORPORATED

Address:PORT EWEN PLANT

Box:City:PORT EWEN

State:NY

ZIP:12466

Country:US

Phone:914-338-2144

CAGE:JO851

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

Ingred Name:RDX (CYCLONITE).943 MG SPEC.MIL-R-398.

CA

S:121-82-4  
RTECS #:XX9450000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1.5 MG/M3,SKIN  
ACGIH TLV:1.5 MG/M3,SKIN

Ingred Name:LEAD AZIDE.270 MG SPEC.MIL-L-3055.OSHA PEL & ACGIH TLV FOR  
INORGANIC LEAD FUMES & DUSTS.

CAS:13424-46-9  
RTECS #:OF8650000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.05 MG(PB)/M3  
ACGIH TLV:0.15 MG(PB)/M3

Ingred Name:IGNITION.118 MG DWG.12624433.  
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:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:NO EXPOSURE TO CHEMICAL HAZARDS  
ANTICIPATED WITH NORMAL HANDLING PROCEDURES.ACCIDENTAL DETONATION  
OF AN EXPLOSIVE DEVICE CAN CAUSE LACERATIONS,PUNCTURES AND/OR OTHER  
TRAUMATIC INJURY.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:NO EXPOSURE TO CHEMICAL HAZARDS ANTICIPATED  
WITH NORMAL HANDLING PROCEDURES.  
Medical Cond A  
aggravated by Exposure:NOT KNOWN

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

First Aid:EYES:FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15  
MINUTES . INHALATION:IF DETONATION FUMES ARE INHALED,REMOVE TO  
FRESH AIR.IF BREATHING STOPS,GIVE ARTIFICIAL RESPIRATION.

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

Flash Point:NOT KNOWN  
Lower Limits:NOT KNOWN  
Upper Limits:NOT KNOWN  
Extinguishing Media:NONE  
Fire Fighting Procedures:FIRE INVOLVING

EXPLOSIVE MATERIALS SHOULD NOT  
BE FOUGHT.EVACUATE PERSONNEL TO A SAFE LOCATION.  
Unusual Fire/Explosion Hazard:EXPLOSIVE DEVICES WILL EXPLODE IF  
SUBJECTED TO EXTREME HEAT OR FIRE.PACKAGED DEVICES EXPLODE ONE AT A  
TIME.UNPACKED DEVICES CAN MASS DETONATE.

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

Spill Release Procedures:REPACKAGE DEVICES IN UNIT ISOLATING  
TRAYS.ACCOUNT FOR EVERY DEVICE.  
Neutralizing Agent:NOT KNOWN

===== Handling and S  
torage =====

Handling and Storage Precautions:STORE IN COOL,DRY PLACE,PROTECTED FROM  
SOURCES OF ENERGY INCLUDING FIRE,SHOCK,HEAT,FLAME,STATIC  
DISCHARGE,ELECTRICAL ENERGY & RADIO FREQUENCY(SEE SUP)  
Other Precautions:AVOID BREATHING FUMES FROM DETONATION.ONLY  
AUTHORIZED,TRAINED PERS SHOULD HANDLE DEVICES.NEVER ABANDONE  
DEVICES.SMOKING NOT PERMITTED WHERE DEVICES HANDLED.DO NOT CARRY  
DEVICES ON PERSON.DURING APPROA CH/PROGRESS (SEE SUPP DATA)

===== E  
xposure Controls/Personal Protection =====

Respiratory Protection:AVOID BREATHING FUMES FROM DETONATION.  
Ventilation:NONE REQUIRED FOR NORMAL HANDLING.  
Protective Gloves:NOT KNOWN  
Eye Protection:SAFETY GLASSES SUGGESTED.  
Other Protective Equipment:COTTON CLOTHING SUGGESTED.ELECTRIC  
DETONATING DEVICES AND THEIR COMPONENTS DO NOT PRESENT HEALTH  
HAZARDS IN (SEE SUPP)  
Work Hygienic Practices:NOT KNOWN  
Supplemental Safety and Health  
HNDLG/STOR PREC:ENERRGY.DO NOT DISASSEMBLE.OTHER P  
REC:OF ELECTRICAL  
STORM,LEAVE AREA WHERE DEVICES ARE PRESENT & SEEK A SAFE  
PLACE.OTHER PROT EQUIP:NORMAL HANDLING AND USE.

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

HCC:E1  
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:ROUND METAL CUP,242 INCH DI

AMETERX2.29 INCH LONG.

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

Stability Indicator/Materials to Avoid:NO  
CORROSIVES

Stability Condition to Avoid:EXCESSIVE HEAT (>160F) FROM SOURCES SUCH  
AS FLAME PRODUCING DEVICES,IMPACT,FRICTION & ELECTRICAL IMPULSE.

Hazardous Decomposition Products:AS A RESULT OF DETONATION ONLY:LEAD  
OXIDES,NITROGEN OXIDES,CARBON MONOXIDE.

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

Waste Disposal Methods:DISPOSAL  
MUST BE IN ACCORDANCE WITH  
FEDERAL,STATE,AND LOCAL REGULATIONS.COORDINATE WITH SUPPORTING  
INSTALLATION AND/OR MACOM ENVIRONMENTAL OFFICE PRIOR TO DISPOSAL  
.CONSULT MFR FOR BEST DISPOSAL METHOD.DISPOSAL GOVERNED BY RCRA,40  
CFR 260-271.

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