

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

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===== 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

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===== 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.

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===== 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 Storage =====

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 SUPP)
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)

===== Exposure 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:ENENERGY.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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