

SPECIAL DEVICES INC -- IGNITER, 103377-32 -- 1336-01-146-0729

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

Product ID:IGNITER, 103377-32

MSDS Date:12/30/1996

FSC:1336

NIIN:01-146-0729

MSDS Number: CGZLN

=== Responsible Party ===

Company Name:SPECIAL DEVICES INC

Address:16830 WEST PLACERITA CANYON RD

City:NEWHALL

State:CA

ZIP:91321

Country:US

Info Phone Num:805-259-0753

Emergency Phone Num:800-255-3924

CAGE

:14720

=== Contractor Identification ===

Company Name:SPECIAL DEVICES, INC.

Address:16830 W. PLACERITA CANYON ROAD

Box:City:NEWHALL

State:CA

ZIP:91321

Phone:(805) 259-0753

CAGE:14720

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

Ingred Name:INITIATING MATERIAL, CONTAINING INGREDIENTS 2 AND 3  
RTECS #:9999999ZZ

Ingred Name:ZIRCONIUM

CAS:7440-67-7

RTECS #:ZH7070000

Fraction by Wt: 50%

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3/10 STEL

Ingred Name:PERCHLORIC ACID, POTASSIUM SALT (

1:1); (POTASSIUM  
PERCHLORATE)  
CAS:7778-74-7  
RTECS #:SC9700000  
Fraction by Wt: 50%  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:PRESSURE COMPOSITION, CONTAINING INGREDIENTS 5 AND 6  
RTECS #:9999999ZZ

Ingred Name:TITANIUM HYDRIDE  
CAS:7704-98-5  
RTECS #:XR2110000  
Fraction by Wt: 50%  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:PERCHLORIC ACID, POTASSIUM SALT (1:1); (POTASSIUM  
PERCHLORATE)  
CAS:7778-74-7  
RTECS #:SC9700000  
Fraction by Wt: 50%  
OSHA PEL:N/K  
ACGIH TLV:N/K

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Hazard Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE/CHRONIC: NONE SPECIFIED BY  
MANUFACTURER.  
Explanation of Carcinogenicity:NOT RELEVANT.  
Effects of Overexposure:SEE HEALTH HAZARDS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures =====  
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First Aid:USE SUFFICIENT PERSONAL PROTECTIVE EQUIPMENT TO PREVENT  
INJURY FROM SHRAPNEL WHEN UNIT IS UN-CONTAINED. EYES: FLUSH WITH  
POTABLE WATER FOR AT LEAST 15 MINUTES. SEE MD . SKIN: FLUSH WITH  
COPIOUS AMOUNTS OF WATER. SEE MD . INHALATION: REMOVE TO FRESH  
AIR. SUPPORT BREATHING (GIVE OXYGEN OR ARTIFICIAL RESPIRATION) .  
INGESTION: CALL MD IMMEDIATELY .

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Fire Fighting Measures =====

Extinguishing Media:WATER, CARBON DIOXIDE

, DRY CHEMICAL.

Fire Fighting Procedures:WEAR NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:EXPLOSIVE FORMULATION MAY EXPLODE OR IGNITE WHEN EXPOSED TO FIRE.

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

Spill Release Procedures:USE PPE AND GROUNDING STRAP TO PREVENT DISCHARGE OF ACCUMULATED ELECTROSTATIC CHARGES TO THE UNIT.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

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Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NOT APPLICABLE. USE NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .

Ventilation:NOT APPLICABLE.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipment:EMERGENCY EYEWASH AND DELUGE SHOWER MEETING

ANSI DESIGN CRITERIA . FLAME RETARDANT SHOP COATS AND BODY SHIELDING.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

Appearance and Odor:STAINLESS STEEL BODY W/STANDARD CONNECTOR, HERMETICALLY SEALED CLOSURE, NO ODOR

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

Stability Indicator/Materials to Avoid:YES

UNKNOWN. HAND

LE CAREFULLY. KEEP FIRE AWAY.

Stability Condition to Avoid:TEMPERATURES IN EXCESS OF 600F.

Hazardous Decomposition Products:NOT APPLICABLE.

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

Waste Disposal Methods:INITIATE BY APPLICATION OF 5 AMPERS OF CURRENT TO THE BRIDGEWIRE CIRCUIT. UNIT SHOULD BE CONTAINED TO PREVENT HAZARDS OF SHRAPNEL. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS (F P N).

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