

APACHE NITROGEN PRODUCTS, INC.
MATERIAL SAFETY DATA SHEET

DATE PREPARED: 11/7/85 BY: R. C. Sittig
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SECTION I - PRODUCT IDENTIFICATION

TRADENAME: Primex Detonating Cord (Identity on Label)
SYNONYMS: Detonating fuse; cordeau detonant fuse

CHEMICAL FAMILY: N/A
 FORMULA: N/A

MANUFACTURERS NAME: Coast Fuse
 ADDRESS: P.O. Box 700
 Benson, AZ 85602

INFORMATION AND EMERGENCY:
 CONTACT: Shift Supervisors (available 24 hours a day)
 PHONE: (520) 720-2217, extension 161

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

	<u>OSHA</u> <u>PEL</u>	<u>ACGIH</u> <u>TLV</u>
Core contains Pentaerythritol Tetranitrate (PETN)	Not established	Not established

SECTION III - PHYSICAL DATA (Data pertains to PETN)

BOILING POINT: 392 (Degrees F.)	SPECIFIC GRAVITY: 1.77 (Where: Water = 1)
VAPOR PRESSURE: Negligible	PERCENT VOLATILE: 0
VAPOR DENSITY: No vapor	EVAPORATION RATE: N/A
SOLUBILITY IN WATER: Negligible (Where: Water = 1)	
OTHER: PETN Chemical Formula: C ₅ -H ₈ (NO ₃) ₄	

APPEARANCE AND ODOR: A core of high explosive surrounded by textile, plastic, and/or plastic coating. No odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): N/A
 FLAMMABLE LIMITS: LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: None

SPECIAL FIRE FIGHTING PROCEDURES: Do not fight fires! Evacuate area immediately and guard against unauthorized entrances.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May detonate from heat or impact. Fumes from detonating or burning may contain oxides of nitrogen or carbon monoxide.

SECTION V - REACTIVITY DATA

STABLE: No
CONDITIONS TO AVOID: Flame, heat or impact.

INCOMPATIBILITY (MATERIALS TO AVOID): Acids, alkalies, oxidizing materials.

HAZARDOUS POLYMERIZATION: No
CONDITIONS TO AVOID: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen and carbon.

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:
INHALATION: No
SKIN: No
INGESTION: Yes

HEALTH HAZARDS (ACUTE AND CHRONIC):

ACUTE: Headache, skin irritation, weakness, and drop in blood pressure. Primary hazards from improper handling and misuse are physical wounds resulting from detonation.

CHRONIC: Not available.

CARCINOGENICITY:
NTP: No
IRAC MONOGRAPHS: N/A
OSHA REGULATED: No

SIGNS AND SYMPTOMS OF EXPOSURE: Effects are similar to nitroglycerine; i.e., headache, weakness, and fall in blood pressure.

INHALATION: PETN in detonating cord may cause irritation of the respiratory passages. Primex detonating cords are covered with plastics and textile and it is considered unlikely that absorption of a sufficient quantity of the compound to cause general poisoning could occur by this route.

SKIN CONTACT: PETN may cause itching and other signs of irritation.

EYE CONTACT: PETN can cause eye irritation.

INGESTION: PETN is toxic when ingested. Symptoms are nausea, headache, weakness and upset stomach. Toxic Dose - Oral Human TDLo: 40mg/Day/8years TFX:SKN NIOSH 77

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Cardiovascular disease, skin disease.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with water.

SKIN: Wash with soap and water.

INGESTION: Administer emetic and seek medical attention immediately.

INHALATION: Seek medical attention immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURES: Replace in original shipping container or a similar fiberboard or wooden box. If material is damaged and cannot be recovered for use, control access to area and remove sources of heat or impact.

WASTE DISPOSAL METHOD: Open unconfined burning under the direction of a person knowledgeable in the destruction of explosives. Consult an explosives manufacturer for recommended methods of disposing of or destroying explosive materials. Comply with all state, federal and/or local regulations.

HANDLING AND STORAGE PRECAUTIONS: Storage and handling must comply with OSHA Safety and Health Standards 29 CFR 1910.109, applicable MSHA regulations, the DOT and Hazardous Materials Regulations, BATF requirements and state and local storage and use regulations and ordinances.

OTHER PRECAUTIONS: N/A

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): Not needed.

VENTILATION:

LOCAL EXHAUST: Not needed. SPECIAL: N/A

MECHANICAL: N/A OTHER: N/A

PROTECTIVE GLOVES: N/A

EYE PROTECTION: N/A

OTHER PROTECTIVE CLOTHING/EQUIPMENT: Ear protection when blasting. Avoid exposure to excessive noise when blasting.

WORK/HYGENIC PRACTICES: General everyday hygiene.

SECTION IX - TRANSPORTATION REQUIREMENTS (OPTIONAL)

D.O.T. PROPER SHIPPING NAME: Cord, Detonating flexible

DEPARTMENT OF TRANSPORTATION REQUIREMENTS: Detonating cord is a Class A explosive and transportation must be in accordance with applicable federal, state or local laws and regulations. Label(s) Required - Class A; D.O.T. ID#- None; Hazard Class - Class A Explosive

SECTION X - SPECIAL PRECAUTIONS (OPTIONAL)

Consult "Always and Never" on case insert supplied with product. If detonating cord or other explosives are lost or stolen call BATF: 1-800-424-9555.

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DISCLAIMER

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