



MATERIAL SAFETY DATA SHEET SECONDARY IGNITER 4.1

PRODUCT IDENTIFICATION	
PRODUCT NAME	SECONDARY IGNITER
TRADE NAMES AND SYNONYMS	PROPELLANT, SOLID
MANUFACTURER	DIAMONDBACK INDUSTRIES, INC.
TRANSPORTATION EMERGENCY	1-800-424-9331 (24 HRS – CHEMTREC) CCN62142

PREVENTION OF ACCIDENTS IN THE USE OF EXPLOSIVES

THE PREVENTION OF ACCIDENTS IN THE USE OF EXPLOSIVES IS A RESULT OF CAREFUL PLANNING AND OBSERVANCE OF THE BEST KNOWN PRACTICES. THE EXPLOSIVES USER MUST REMEMBER THAT HE IS DEALING WITH A POWERFUL FORCE AND THAT VARIOUS DEVICES AND METHODS HAVE BEEN DEVELOPED TO ASSIST HIM IN DIRECTING THIS FORCE. HE SHOULD REALIZE THAT THIS FORCE, IF MISDIRECTED, MAY EITHER KILL OR INJURE BOTH HIM AND HIS FELLOW WORKERS.

WARNING

ALL EXPLOSIVES ARE DANGEROUS AND MUST BE CAREFULLY HANDLED AND USED FOLLOWING APPROVED SAFETY PROCEDURES EITHER BY OR UNDER THE DIRECTION OF COMPETENT, EXPERIENCED PERSONS IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, REGULATIONS, OR ORDINANCES. IF YOU HAVE ANY QUESTIONS OR DOUBTS AS HOW TO USE ANY EXPLOSIVE PRODUCT, **DO NOT USE IT** BEFORE CONSULTING WITH YOUR SUPERVISOR, OR THE MANUFACTURER, IF YOU DO NOT HAVE A SUPERVISOR. IF YOUR SUPERVISOR HAS ANY QUESTIONS OR DOUBTS, HE SHOULD CONSULT WITH THE MANUFACTURER BEFORE USING THE EXPLOSIVE RELATED PRODUCT.

HAZARDOUS COMPONENTS

MATERIAL OR COMPONENT	CAS No.	TLV	PEL
RS GRADE PYRODEX	N/A	NE	NE
GRAPHITE	N/A	NE	NE
CARBON BLACK	N/A	NE	NE
POTASSIUM NITRATE	N/A	NE	NE
BINDER	N/A	NE	NE

N/A = NOT ASSIGNED NE = NOT ESTABLISHED

PHYSICAL DATA

DARK GRAY SOLID WITH AN AROMATIC ODOR.

HAZARDOUS REACTIVITY	
INSTABILITY	MAY LIBERATE HYDROGEN GAS CREATING AN EXPLOSIVE HAZARD.
INCOMPATIBILITY	ACIDS AND ALKALIS
HAZARDOUS DECOMPOSITION	DETONATION PRODUCES HAZARDOUS FRAGMENTS. GASES PRODUCED MAY CONTAIN CARBON MONOXIDE AND NITROGEN OXIDE.
POLYMERIZATION	POLYMERIZATION WILL NOT OCCUR.

FIRE AND EXPLOSION DATA	
FLASHPOINT	NOT APPLICABLE
EXTINGUISHING MEDIA	NONE. CONTAINS BOTH OXIDIZER AND FUEL AND CANNOT BE READILY EXTINGUISHED. FIRE FIGHTING SHOULD BE LIMITED TO PREVENTING SPREAD OF OTHER FIRES.
SPECIAL FIRE FIGHTING PROCEDURES	DO NOT FIGHT EXPLOSIVE FIRES. TRY TO KEEP FIRE FROM REACHING EXPLOSIVES. ISOLATE AREA. GUARD AREA. DIVISION 4.1 EXPLOSIVES: EVACUATE AREA FOR 1500 FEET
UNUSUAL FIRE AND EXPLOSION HAZARDS	MAY DETONATE WITH IMPACT OR HEATING.

HEALTH HAZARDS	
GENERAL	SECONDARY IGNITER MIXTURES DO NOT PRESENT HEALTH HAZARDS IN NORMAL HANDLING AND USE, HOWEVER, THE PRODUCTS ARE DIVISION 4.1 EXPLOSIVES, AND DETONATION MAY CAUSE SEVERE PHYSICAL INJURY, INCLUDING DEATH. ALL EXPLOSIVES ARE DANGEROUS AND MUST BE HANDLED CAREFULLY AND USED FOLLOWING APPROVED SAFETY PROCEDURES UNDER THE DIRECTION OF COMPETENT, EXPERIENCED PERSONS IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, REGULATIONS, AND ORDINANCES.
CARCINOGENICITY	NONE OF THE COMPONENTS OF AMMONIUM PERCHLORATE ARE LISTED AS A CARCINOGEN BY NTP, IARC, OR OSHA.

FIRST AID	
INHALATION	NOT A LIKELY ROUTE OF EXPOSURE. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEEK PROMPT MEDICAL ATTENTION.
EYE AND SKIN CONTACT	NOT A LIKELY ROUTE OF EXPOSURE
INGESTION	NOT A LIKELY ROUTE OF EXPOSURE
INJURY FROM DETONATION	SEEK PROMPT MEDICAL ATTENTION

SPILL OR LEAK PROCEDURES	
SPILL/LEAK RESPONSE	USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. ISOLATE AREA AND REMOVE SOURCES OF FRICTION, IMPACT, HEAT, LOW LEVEL ELECTRICAL CURRENT, ELECTROSTATIC OR RF ENERGY. SWEEP UP WITH NON-SPARKING TOOLS AND REMOVE FROM THE AREA.
WASTE DISPOSAL	DISPOSE OF IN COMPLIANCE WITH FEDERAL REGULATIONS UNDER THE AUTHORITY OF THE RESOURCE CONSERVATION AND RECOVERY ACT.

SPECIAL PRECAUTIONS	
KEEP AWAY FROM FRICTION, IMPACT, AND HEAT. DO NOT CONSUME FOOD, DRINK, OR TOBACCO IN AREAS WHERE THEY MAY BECOME CONTAMINATED WITH THESE MATERIALS.	

SPECIAL PROTECTION INFORMATION

VENTILATION	USE ONLY WITH ADEQUATE VENTILATION
RESPIRATORY	NIOSH APPROVED PARTICLE MASKS FOR DUST AND MIST
EYE	SAFETY GLASSES OR GOGGLES
GLOVES	IMPERVIOUS RUBBER GLOVES
OTHER	COTTON OVERALLS, UNDERGARMENTS, AND SOCKS. CONDUCTIVE SOLED SHOES.

STORAGE CONDITIONS

STORE IN ACCORDANCE WITH THE REQUIREMENTS OF SUBPART K, ATF: EXPLOSIVES LAW AND REGULATIONS

SHIPPING INFORMATION

PROPER SHIPPING NAME	FLAMMABLE SOLID, INORGANIC, N.O.S. (PYRODEX)
HAZARD CLASS	4.1
UN NUMBER /EX-NUMBER	4.1 UN3178 USDOT EX-NUMBER: EX2006050012
DOT LABEL & PLACARD	DOT LABEL EXPLOSIVE 4.1 DOT PLACARD EXPLOSIVE 4.1

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FOR FURTHER INFORMATION CONTACT:

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