





184 MCNALEY ROAD
COLUMBUS, MT 59019
(406)322-1303

NEXT FX, INC. SAFETY DATA SHEET

ELECTRIC IGNITERS, (PRIMED & UNPRIMED) SECTION I: PRODUCT & MANUFACTURER IDENTIFICATION

PRODUCT IDENTIFIER ELECTRIC IGNITERS, (ELECTRIC MATCHES)		
PRODUCT USE; IGNITION SOURCE FOR EXPLOSIVE AND/OR PYROTECHNIC DEVICES		
MANUFACTURERS NAME; STAGE FX, INC.		
STREET ADDRESS; 184 MCNALEY ROAD	CITY; COLUMBUS	STATE MT - USA
ZIP CODE; 59019	TELEPHONE NUMBER; (406)322-1303	EMERGENCY NUMBERS; DOMESTIC - (800)255-3924 INTER. - +01 (813)248-0585

SECTION II: HAZARDS IDENTIFICATION

WHMIS CLASSIFICATION/GHS CLASSIFICATION: EXPLOSIVE CLASS 1.4	
  <h1 style="text-align: center;">WARNING</h1>	
HAZARD STATEMENT: FIRE OR PROJECTION HAZARD	
PRECAUTIONARY STATEMENTS: PREVENTION; KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES/STRAY ELECTRICAL CURRENTS - "NO SMOKING"	
RESPONSE; <p style="text-align: center;">IN CASE OF FIRE: EVACUATE AREA EXPLOSION RISK IN CASE OF FIRE DO NOT FIGHT FIRE WHEN FIRE HAS REACHED EXPLOSIVE PRODUCT.</p>	
PRODUCT USE: BURNING PROJECTIONS CAN AND WILL IGNITE COMBUSTIBLE MATERIALS. "FOR PROFESSIONAL USE ONLY" NOT FOR CONSUMER OR RETAIL SALES. BATF&E REGULATED PRODUCT, (ONLY LICENSED USE)	
POTENTIAL ACUTE HEALTH EFFECTS: DEVICE COULD CAUSE MINOR BURN INJURIES IF INCORRECTLY USED.	
POTENTIAL CHRONIC HEALTH EFFECTS: THERE ARE NO CHRONIC AFFECTS FROM HANDLING THIS PRODUCT APPROPRIATELY. SEE APPROPRIATE MSDS FOR COMPONENT INGREDIENTS.	
NATIONAL FIRE PROTECTION ASSOCIATION RATINGS; HEALTH HAZARD - 1 FLAMMABILITY - 3 REACTIVITY - 1 SPECIAL - 0	



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HAZARDOUS INGREDIENTS	%	CAS NUMBER
BORON	*	7440-42-8
RED IRON OXIDE	*	7439-89-6
LEAD THIOCYANATE, (PRIMED ONLY)	*	592-87-0
POTASSIUM CHLORATE, (PRIMED ONLY)	*	3811-04-9
NITROCELLULOSE	*	9004-70-0
POTASSIUM NITRATE	*	7757-79-1
ZIRCONIUM	*	7704-99-6

* INGREDIENT PERCENTAGES ARE COMPANY PROPRIETARY.

SECTION IV: FIRST AID MEASURES

<p>ROUTES OF ENTRY; X SKIN CONTACT - SKIN ABSORPTION X EYE CONTACT X INHALATION X INGESTION</p> <p>SKIN CONTACT: PRODUCT ITSELF DOES NOT HAVE ANY SKIN CONTACT HAZARDS. MINOR BURNS COULD TAKE PLACE IF ACCIDENTAL IGNITION.</p> <p>EYE CONTACT: PRODUCT ITSELF DOES NOT HAVE ANY EYE CONTACT HAZARDS. SERIOUS EYE INJURIES COULD RESULT IF ACCIDENTAL IGNITION OCCURS.</p> <p>INHALATION: PRODUCT ITSELF DOES NOT PRESENT AN INHALATION HAZARD. SMOKE FROM MULTIPLE DEVICES FUNCTIONING MAY CAUSE IRRITATION IF USED WITHIN NON-VENTILATED OR SMALL CONFINED SPACES.</p> <p>INGESTION: PRODUCT ITSELF DOES NOT PRESENT AN INGESTION HAZARD. IF CONTENTS ARE ACCIDENTALLY INGESTED, SEEK MEDICAL ATTENTION AS SOON AS POSSIBLE.</p> <p>ACUTE HEALTH EFFECTS: DEVICE COULD CAUSE MINOR BURN INJURIES IF ACCIDENTALLY IGNITED.</p> <p>CHRONIC HEALTH EFFECTS: THERE ARE NO CHRONIC AFFECTS FROM THE HANDLING OF THIS PRODUCT.</p>
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SECTION V: FIRE FIGHTING MEASURES & RELATED INFORMATION

<p>FLAMMABILITY; ALL PYROTECHNICS ARE HIGHLY FLAMMABLE</p>	<p>NFPA RATING; 3 - MAJOR HAZARD</p>
<p>GENERAL FIRE HAZARDS; PYROTECHNIC COMPOSITIONS/DEVICES BURN VIOLENTLY AND ARE SELF-OXIDIZED. FASTER BURNING COMPOSITIONS MAY REACH DETONATION LEVELS DEPENDENT UPON COMPOSITION, PACKAGED CONFIGURATION AND/OR CONTAINMENT.</p>	
<p>MEANS OF EXTINGUISHMENT; PYROTECHNICS ARE SELF-OXIDIZED AND CANNOT BE EXTINGUISHED WITH NORMAL MEANS. DO NOT FIGHT FIRES INVOLVING THE DEVICES. INCIPIENT FIRES MAY BE FOUGHT. DO NOT USE SUFFOCATION METHODS, CLEAR AREA OF PERSONNEL!</p>	



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SECTION VI: ACCIDENTAL RELEASE MEASURES

CONTAINMENT PROCEDURES;

DEVICES MAY BE GENTLY PICKED UP AND RE-PACKAGED IN ORIGINAL PACKAGING OR EQUIVALENT. KEEP AWAY FROM ANY POSSIBLE IGNITION SOURCES SUCH AS OPEN FLAMES, SPARKS AND NON-RATED ELECTRICAL DEVICES. PREVENT POSSIBLE ELECTROSTATIC DISCHARGES (FOR EXAMPLE: DO NOT USE A SYNTHETIC DUSTPAN AND BRUSH).

CLEAN-UP PROCEDURES;

PACKAGED DEVICES CAN BE PICKED UP GENTLY. FOR SPILLED DEVICES, WHICH MAY BE RELEASED ACCIDENTALLY, FLOOD AREA WITH WATER AND USE CONDUCTIVE OR NATURAL MATERIAL UTENSILS FOR PICK-UP. PLACE INTO A CLOSED CONDUCTIVE CONTAINER AND SUBMERGE IN WATER FOR DISPOSAL.

SECTION VII: HANDLING AND STORAGE

HANDLING PROCEDURES AND EQUIPMENT;

ALL PYROTECHNICS SHOULD BE HANDLED WITH CAUTION. AVOID OPEN FLAMES, SMOKING, FRICTION, IMPACT, EXCESSIVE HEAT, ELECTROSTATIC DISCHARGES, RADIO FREQUENCY INTERFERENCE AND MOISTURE, (HUMIDITY).

STORAGE REQUIREMENTS;

STORE IN A COOL, WELL VENTILATED, AND DRY AREA. DEPENDENT UPON APPLICATION, SEPARATION DISTANCES AND SECURITY MEASURES ARE TO BE COMPLIED WITH. STORAGE COMPATIBILITY SHOULD BE MAINTAINED IN ACCORDANCE WITH FEDERAL REGULATIONS.

SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

EXPOSURE LIMITS:	ACGIH TLV = N/A	OSHA PEL = N/A	OTHER = N/A
ENGINEERING CONTROLS;			
DEVICES NEED TO BE USED IN A VENTILATED AREA FOR REMOVAL OF SMOKE.			
PERSONAL PROTECTIVE EQUIPMENT;			
SAFETY GLASSES ARE REQUIRED WHEN HANDLING. PREVENTION OR REDUCTION OF STATIC ELECTRICITY SHOULD BE ACCOMPLISHED BY WEARING ALL COTTON CLOTHING. ELECTRIC IGNITERS MAY ALSO BE SUBJECT TO EMR REQUIREMENTS. MAINTAIN SAFE DISTANCES WHILE OPERATING RF OR MICROWAVE TRANSMITTERS.			

SECTION IX: PHYSICAL PROPERTIES

PHYSICAL STATE; SOLID	ODOR & APPEARANCE; SMALL WAFER SHAPE ATTACHED TO ELECTRICAL WIRING - NO ODOR	SPECIFIC GRAVITY; N/A
ODOR THRESHOLD; N/A	VISCOSITY; N/A	PARTITION COEFFICIENT; (N- OCTONAL/WATER) N/A



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VAPOR DENSITY; (AIR=1) N/A	VAPOR PRESSURE; (MM/HG) N/A	EVAPORATION RATE; N/A
BOILING POINT; (°C) N/A	FREEZING POINT; (°C) N/A	PH; N/A
SOLUBILITY IN WATER; COMPOSITION WILL DEGRADE OVER TIME IF SUBMERGED IN WATER.	MELTING POINT; PYROTECHNICS WILL REACH AUTO-IGNITION TEMPERATURE BEFORE MELTING	VOC; N/A
FLASHPOINT; N/A	UPPER FLAMMABLE LIMITS; N/A	LOWER FLAMMABLE LIMITS; N/A
AUTO-IGNITION TEMPERATURE; APPROX. - 440° C	SENSITIVITY TO IMPACT; IGNITERS ARE SENSITIVE TO IMPACT AND FRICTION. SENSITIVITY LEVELS HAVE NOT BEEN ESTABLISHED.	SENSITIVITY TO ELECTROSTATIC; ONLY WHEN DEVICE IS UN-SHUNTED. DEVICE MAY ALSO BE SUBJECT TO IGNITION FROM EMR, (ELECTROMAGNETIC RADIATION)

SECTION X: STABILITY & REACTIVITY

CHEMICAL STABILITY; X STABLE UNSTABLE	IF UNSTABLE, UNDER WHAT CONDITIONS;
INCOMPATIBILITIES OR CONDITIONS TO AVOID; IGNITION SOURCES.	
POSSIBILITY OF HAZARDOUS REACTION; VERY LOW WHEN DEVICE IS SHUNTED OR SHORT CIRCUITED. LOW POSSIBILITY WHEN UN-SHUNTED.	
REACTIVITY; LOOSE COMPOSITION IS VERY REACTIVE TO SOURCES OF IGNITION.	
HAZARDOUS DECOMPOSITION; DECOMPOSITION DOES NOT OCCUR UNDER NORMAL CIRCUMSTANCES DURING STORAGE, TRANSPORT AND HANDLING. UPON FUNCTIONING, THIS DEVICE CAN PRODUCE NITRATES AND OTHER OXIDES.	

SECTION XI: TOXICOLOGICAL INFORMATION

CARCINOGENICITY - IARC; THESE DEVICES MAY CONTAIN KNOWN OR SUSPECTED CARCINOGENS. THE FOLLOWING LIST OF CHEMICALS ARE CLASSIFIABLE AND YOU SHOULD REFER TO SPECIFIC MSDS FOR ADDITIONAL INFORMATION;	CARCINOGENICITY - ACGIH; THESE DEVICES MAY CONTAIN KNOWN OR SUSPECTED CARCINOGENS. THE FOLLOWING LIST OF CHEMICALS ARE CLASSIFIABLE AND YOU SHOULD REFER TO SPECIFIC MSDS FOR ADDITIONAL INFORMATION;
ROUTES OF ENTRY; INGESTION	
MEASURES OF TOXICITY; (INGREDIENTS ONLY) BORON - (ORAL), LD50 (RAT) 650 MG/KG RED IRON OXIDE - (ORAL), LD50 (RAT) 984 MG/KG POTASSIUM NITRATE - (ORAL), LD50 (RAT) 3015 MG/KG POTASSIUM CHLORATE - (ORAL), LD50 (RAT) 1870 MG/KG	



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NITROCELLULOSE - (ORAL), LD50 (RAT) >5 MG/KG	
CHRONIC EFFECTS ON HUMANS; (INGREDIENTS ONLY) (SEE INGREDIENT SDS)	ACUTE EFFECTS ON HUMANS; (INGREDIENTS ONLY) (SEE INGREDIENT SDS)
OTHER TOXIC EFFECTS ON HUMANS; (SKIN CORROSION/IRRITATION, EYE DAMAGE/IRRITATION, RESPIRATORY OR SKIN SENSITIZER, OR ASPIRATION HAZARDS) N/A	
GERM CELL MUTAGENICITY; N/A	REPRODUCTIVE TOXICITY; N/A
STOT - SINGLE EXPOSURE; N/A	STOT - REPEATED EXPOSURE; N/A
SYMPTOMS OF OVEREXPOSURE; NO OVEREXPOSURE HAZARDS ASSOCIATED WITH THE DEVICE OR PRODUCT.	

SECTION XII: ECOLOGICAL INFORMATION

ECOTOXICITY; THE FOLLOWING LIST OF CHEMICALS MAY HAVE ADDITIONAL ECOTOXICITY INFORMATION ON THEIR SPECIFIC MSDS; RED IRON OXIDE	BOD5 & COD; NOT AVAILABLE
PRODUCTS OF DEGRADATION; POSSIBLY HAZARDOUS SHORT TERM, DEGRADATION PRODUCTS ARE NOT LIKELY.	
TOXICITY OF THE PRODUCTS OF BIODEGRADATION: THE PRODUCTS OF DEGRADATION ARE LESS TOXIC THAN THE PRODUCT ITSELF.	
OTHER ADVERSE AFFECTS; NOT AVAILABLE	
BIODACCUMULATION; N/A	MOBILITY IN SOIL; N/A

SECTION XIII: DISPOSAL CONSIDERATIONS:

EPA WASTE CODES APPLICABLE; UNUSED DEVICES WILL EXHIBIT THE CHARACTERISTICS OF REACTIVITY IN ACCORDANCE WITH 40 CFR. D003 WOULD BE APPLICABLE IF <u>DEVICES</u> ARE CONSIDERED WASTE.
WASTE DISPOSAL; WASTES MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. AS STATED ABOVE, UNUSED DEVICE DOES EXHIBIT A RCRA CHARACTERISTIC AS DEPICTED BY 40 CFR AND/OR OTHER INTERNATIONAL REGULATIONS. BEST SUITED FOR INCINERATION AT A LICENSED EXPERIENCED DISPOSAL FACILITY. USED DEVICES MAY BE DISPOSED OF IN STANDARD REFUSE CONTAINER.



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ELECTRIC IGNITERS, (PRIMED & UNPRIMED) SECTION XIV: TRANSPORTATION INFORMATION

DOT CLASSIFICATION & UN IDENTIFICATION; CLASS 1.4S - UN0454 EXPLOSIVE	PROPER SHIPPING NAME & TECHNICAL NAME; IGNITERS
SPECIAL PROVISIONS FOR TRANSPORT; IN CASE OF AN ACCIDENT, THE ERG SHOULD BE CONSULTED FOR EMERGENCY PROCEDURES.	

SECTION XV: REGULATORY INFORMATION:

FEDERAL & STATE REGULATIONS; REGULATIONS GOVERNING THE MANUFACTURING, USE AND SALE OF PYROTECHNICS AND/OR CHEMICALS ARE APPLICABLE TO THIS PRODUCT LINE. PLEASE CONTACT YOUR DISTRIBUTOR OR THE MANUFACTURER FOR SPECIFIC REGULATIONS IF YOU HAVE QUESTIONS.
OTHER REGULATIONS; OSHA: HAZARDOUS BY DEFINITION OF HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200). EINECS: SOME OF THE COMPOSITIONAL INGREDIENTS ARE ON THE EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES. INGREDIENTS MAY HAVE SPECIFIC FEDERAL, STATE OR LOCAL REGULATIONS GOVERNING THRESHOLDS AND HANDLING PROCEDURES AND ONLY APPLY TO THE MANUFACTURING OF THESE ITEMS.

SECTION XVI: OTHER INFORMATION

THE INFORMATION ABOVE IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. HOWEVER, WE MAKE NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO SUCH INFORMATION, AND WE ASSUME NO LIABILITY RESULTING FROM ITS USE. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION FOR THEIR PARTICULAR PURPOSES. IN NO EVENT SHALL NEXT FX, INC. OR ITS AFFILIATES BE LIABLE FOR ANY CLAIMS, LOSSES, OR DAMAGES OF ANY THIRD PARTY OR FOR LOST PROFITS OR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES, HOWSOEVER ARISING, EVEN IF NEXT FX, INC. AFFILIATES OR CONSULTANTS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.		
DATE PREPARED; 20 SEPT. 2013	PREPARED BY; DENNIS SLICER	TELEPHONE NUMBER; (406)322-1304