



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

NEXT FX, INC. SAFETY DATA SHEET

GERBS, TYPES 1, 2, 3 & 4 - (ALL COLORS)

NATIONAL FIRE PROTECTION ASSOCIATION RATINGS;

HEALTH HAZARD - 1 FLAMMABILITY - 3 REACTIVITY - 0 SPECIAL - 0

SECTION III: COMPOSITION/INGREDIENT INFORMATION

HAZARDOUS INGREDIENTS	%	CAS NUMBER
POTASSIUM PERCHLORATE	*	7778-74-7
CHARCOAL	*	7440-44-0
SODIUM BENZOATE	*	532-32-1
DICYANDIAMIDE	*	125148-58-5
SODIUM BICARBONATE	*	144-55-8
POTASSIUM NITRATE	*	7757-79-1
SULFUR	*	7704-34-9
TITANIUM	*	7440-32-6
SARAN RESIN	*	9011-06-7
STRONTIUM CARBONATE	*	1633-05-2
RED GUM	*	
MAGNESIUM	*	7439-95-4
STRONTIUM NITRATE	*	10042-76-9
DEXTRINE	*	9004-53-9
BARIUM NITRATE	*	10022-31-8
VINSOL	*	
MAGNESIUM CARBONATE	*	546-93-0
POLYVINYL CHLORIDE	*	9002-86-2
ZIRCONIUM	*	7704-99-6

* INGREDIENT PERCENTAGES ARE COMPANY PROPRIETARY.

SECTION IV: FIRST AID MEASURES

ROUTES OF ENTRY; X SKIN CONTACT - SKIN ABSORPTION X EYE CONTACT X INHALATION X INGESTION

SKIN CONTACT:

PRODUCT ITSELF DOES NOT HAVE ANY SKIN CONTACT HAZARDS. SERIOUS BURNS COULD TAKE PLACE IF ACCIDENTAL IGNITION. CONTENTS (IF SPILLED) SHOULD BE WASHED IMMEDIATELY FROM EXPOSED AREA WITH PLENTY OF SOAP AND WATER.

EYE CONTACT:

PRODUCT ITSELF DOES NOT HAVE ANY EYE CONTACT HAZARDS. SERIOUS EYE INJURIES COULD RESULT IF ACCIDENTAL IGNITION OCCURS. (IF CONTENTS ARE SPILLED) FLUSH EYES FOR A MINIMUM OF 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

INHALATION:

PRODUCT ITSELF DOES NOT PRESENT AN INHALATION HAZARD. SMOKE FROM DEVICE FUNCTIONING MAY CAUSE IRRITATION IF USED WITHIN NON-VENTILATED OR SMALL CONFINED SPACES.



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INGESTION:

PRODUCT ITSELF DOES NOT PRESENT AN INGESTION HAZARD. IF CONTENTS ARE ACCIDENTALLY INGESTED, SEEK MEDICAL ATTENTION AS SOON AS POSSIBLE.

ACUTE HEALTH EFFECTS:

SOME INGREDIENTS ARE CONSIDERED IRRITANTS AND SHOULD BE HANDLED AS SUCH IF EXPOSED.

CHRONIC HEALTH EFFECTS:

THERE ARE NO CHRONIC AFFECTS FROM THE HANDLING OF THIS PRODUCT.

SECTION V: FIRE FIGHTING MEASURES & RELATED INFORMATION

FLAMMABILITY; ALL PYROTECHNICS ARE HIGHLY FLAMMABLE	NFPA RATING; 3 – MAJOR HAZARD
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.	
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!	

SECTION VI: ACCIDENTAL RELEASE MEASURES

CONTAINMENT PROCEDURES; DEVICES MAY BE GENTLY PICKED UP AND RE-PACKAGED IN ORIGINAL PACKAGING OR EQUIVALENT. IN CASE PYROTECHNIC COMPOSITION IS SPILLED: 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 MATERIAL, 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 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). ITEMS ARE MEANT TO BE USED IN WATER. SAFETY INSTRUCTIONS INCLUDED IN PACKAGING. IN SOME CASES, UNPACKAGED OR EXPLOSIVE/PYROTECHNIC
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MATERIALS PACKAGED IN OTHER THEN ORIGINAL PACKAGING MAY HAVE TO BE HANDLED AS A HIGHER HAZARD. I.E. 1.1 OR 1.3 CLASSIFICATION.

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. SOME INGREDIENTS MAY HAVE EXPOSURE CONTROLS BUT ARE RELEGATED TO MANUFACTURING PROCESSES ONLY. DEVICES EXPEL BURNING INCANDESCENT MATERIAL THAT SHOULD BE DESIGNED TO FALL UPON FLAME RESISTANT MATERIAL OR SURFACES.			
PERSONAL PROTECTIVE EQUIPMENT;			
SAFETY GLASSES ARE REQUIRED WHEN HANDLING. PREVENTION OR REDUCTION OF STATIC ELECTRICITY SHOULD BE ACCOMPLISHED BY WEARING ALL COTTON CLOTHING.			

SECTION IX: PHYSICAL PROPERTIES

PHYSICAL STATE; SOLID	ODOR & APPEARANCE; NORMALLY BLACK TUBE - NO ODOR	SPECIFIC GRAVITY; N/A
ODOR THRESHOLD; N/A	VISCOSITY; N/A	PARTITION COEFFICIENT; (N- OCTONAL/WATER) N/A
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; N/A	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; N/A	SENSITIVITY TO ELECTROSTATIC; ONLY WHEN DEVICE IS UN-SHUNTED.

SECTION X: STABILITY & REACTIVITY

CHEMICAL STABILITY; X STABLE	UNSTABLE	IF UNSTABLE, UNDER WHAT CONDITIONS;
INCOMPATIBILITIES OR CONDITIONS TO AVOID; IGNITION SOURCES.		



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<p>POSSIBILITY OF HAZARDOUS REACTION; VERY LOW WHEN DEVICE IS SHUNTED OR SHORT CIRCUITED. LOW POSSIBILITY WHEN UN-SHUNTED.</p>
<p>REACTIVITY; LOOSE COMPOSITION IS VERY REACTIVE TO SOURCES OF IGNITION.</p>
<p>HAZARDOUS DECOMPOSITION; DECOMPOSITION DOES NOT OCCUR UNDER NORMAL CIRCUMSTANCES DURING STORAGE, TRANSPORT AND HANDLING. UPON FUNCTIONING, THIS DEVICE CAN PRODUCE NITRATES AND OTHER OXIDES.</p>

SECTION XI: TOXICOLOGICAL INFORMATION

<p>CARCINOGENICITY – IARC; THESE DEVICES MAY CONTAIN KNOWN OR SUSPECTED CARCINOGENS. THE FOLLOWING LIST OF CHEMICALS ARE CLASSIFIABLE AND YOU SHOULD REFER TO SPECIFIC SDS FOR ADDITIONAL INFORMATION;</p>	<p>CARCINOGENICITY – ACGIH; THESE DEVICES MAY CONTAIN KNOWN OR SUSPECTED CARCINOGENS. THE FOLLOWING LIST OF CHEMICALS ARE CLASSIFIABLE AND YOU SHOULD REFER TO SPECIFIC SDS FOR ADDITIONAL INFORMATION;</p>
<p>ROUTES OF ENTRY; (ONLY SPILLED COMPOSITIONS) INHALATION & INGESTION</p>	
<p>MEASURES OF TOXICITY; (INGREDIENTS ONLY) POTASSIUM NITRATE – (ORAL), LD50 (RAT) 3015 MG/KG SULFUR – (INHALATION), LC50 (RAT) >9.23 MG/L/4H, (ORAL), LD50 (RAT) >3000 MG/KG; (DERMAL), LD50 (RABBIT)>2000 MG/KG SODIUM BENZOATE – (ORAL), LD50 - (RAT) 2100 MG/KG SODIUM BICARBONATE – (ORAL), LD50 - (RAT) 4220 MG/KG CHARCOAL – (ORAL), LD50 (RAT) >10,000 MG/KG STRONTIUM NITRATE – (ORAL), LD50 (RAT) 1892 MG/KG MAGNESIUM – (ORAL), LD50 (RAT) 230 MG/KG BARIUM NITRATE – (ORAL), LD50 (RAT) 355 MG/KG</p>	
<p>CHRONIC EFFECTS ON HUMANS; (INGREDIENTS ONLY) (SEE INGREDIENT SDS)</p>	<p>ACUTE EFFECTS ON HUMANS; (INGREDIENTS ONLY) (SEE INGREDIENT SDS)</p>
<p>OTHER TOXIC EFFECTS ON HUMANS; (SKIN CORROSION/IRRITATION, EYE DAMAGE/IRRITATION, RESPIRATORY OR SKIN SENSITIZER, OR ASPIRATION HAZARDS) N/A</p>	
<p>GERM CELL MUTAGENICITY; N/A</p>	<p>REPRODUCTIVE TOXICITY; N/A</p>
<p>STOT – SINGLE EXPOSURE; N/A</p>	<p>STOT – REPEATED EXPOSURE; N/A</p>
<p>SYMPTOMS OF OVEREXPOSURE; NO OVEREXPOSURE HAZARDS ASSOCIATED WITH THE DEVICE OR PRODUCT.</p>	

SECTION XII: ECOLOGICAL INFORMATION

<p>ECOTOXICITY; THE FOLLOWING LIST OF CHEMICALS MAY HAVE ADDITIONAL ECOTOXICITY INFORMATION ON THEIR SPECIFIC MSDS; SULFUR</p>	<p>BOD5 & COD; NOT AVAILABLE</p>
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SODIUM BENZOATE SODIUM BICARBONATE	
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.

SECTION XIV: TRANSPORTATION INFORMATION

DOT CLASSIFICATION & UN IDENTIFICATION; CLASS 1.4G - UN0431 EXPLOSIVE	PROPER SHIPPING NAME & TECHNICAL NAME; ARTICLES, PYROTECHNIC
SPECIAL PROVISIONS FOR TRANSPORT; IN CASE OF AN ACCIDENT, THE ERG SHOULD BE CONSULTED FOR EMERGENCY PROCEDURES. EVACUATION WILL BE NECESSARY IF ACCIDENT HAS INVOLVED MULTIPLE DEVICES IN A FIRE OR THE POTENTIAL FOR A FIRE EXISTS.	

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



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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. IF ONE OF THE INGREDIENTS IN THESE DEVICES IS POTASSIUM PERCHLORATE, THE STATE OF CALIFORNIA REQUIRES THAT THIS WARNING BE GIVEN – “SOME PRODUCTS MAY CONTAIN PERCHLORATES. SPECIAL HANDLING MAY APPLY!
SEE WWW.DTSC.CA.GOV/HAZARDOUSWASTE/PERCHLORATE.”

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.

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18 SEPT. 2013

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