



NEXT FX, INC. MATERIAL SAFETY DATA SHEET

AIRBURST POWDER, BINARY - ALL TYPES

SECTION I: PRODUCT & MANUFACTURER IDENTIFICATION

PRODUCT IDENTIFIER CONCUSSION, BINARY - ALL TYPES		WHMIS CLASSIFICATION OXIDIZER/FLAMM. SOLID	
PRODUCT USE; THEATRICAL PYROTECHNICS, SPECIAL EFFECTS AND OTHER CELEBRATION REASONS			
MANUFACTURERS NAME; DISTRIBUTED BY: NEXT FX, INC. MFG. BY: STAGE FX, INC.			
STREET ADDRESS; 1 NICKEL WAY		CITY; COLUMBUS	STATE MT - USA
ZIP CODE; 59019	TELEPHONE NUMBER; (406)322-1303	EMERGENCY NUMBERS; DOMESTIC - (800)255-3924 INTER. - +01 (813)248-0585	
DATE PREPARED; 06 DEC. 2011	PREPARED BY; DENNIS SLICER - CONSULTANT	TELEPHONE NUMBER; (406)322-1304	

SECTION II: COMPOSITION/INGREDIENT INFORMATION

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD ₅₀ OF INGREDIENT (ROUTE & SPECIES)
TITANIUM		7440-32-6	
SILICON DIOXIDE, (FUMED SILICA)	*	112945-52-5	ORAL, LD50 - (RAT) 3160 MG/KG
STRONTIUM NITRATE	*	10042-76-9	ORAL, LD50 - (RAT) 1892 MG/KG
ALUMINUM, (SPHERIODAL)	*	7429-90-5	
MAGNESIUM	*	7439-95-4	ORAL, LD50 - (RAT) 230 MG/KG

* INGREDIENT PERCENTAGES ARE COMPANY PROPRIETARY.

SECTION III: HAZARDS IDENTIFICATION

ROUTES OF ENTRY; <input checked="" type="checkbox"/> SKIN CONTACT - SKIN ABSORPTION <input checked="" type="checkbox"/> EYE CONTACT <input checked="" type="checkbox"/> INHALATION <input checked="" type="checkbox"/> INGESTION
POTENTIAL HEALTH EFFECTS; (BASED ON INGREDIENTS)
POTENTIAL ACUTE HEALTH EFFECTS: SOME OF THE INGREDIENTS ARE CONSIDERED IRRITANTS AND SHOULD BE HANDLED AS SUCH. CONTENTS, (WHEN MIXED TOGETHER) ARE HIGHLY FLAMMABLE AND WILL CAUSE SERIOUS BURNS.
POTENTIAL CHRONIC HEALTH EFFECTS: THERE ARE NO CHRONIC AFFECTS FROM HANDLING THIS PRODUCT APPROPRIATELY. SEE APPROPRIATE MSDS FOR COMPONENT INGREDIENTS.



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SECTION IV: FIRST AID MEASURES

SKIN CONTACT: CONTENTS (IF SPILLED) SHOULD BE WASHED IMMEDIATELY FROM EXPOSED AREA WITH PLENTY OF SOAP AND WATER.
EYE CONTACT: FLUSH EYES FOR A MINIMUM OF 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
INHALATION: IF OVEREXPOSURE HAS OCCURRED, REMOVE VICTIM FROM AREA AND SEEK FRESH AIR. SMOKE FROM DEVICE FUNCTIONING MAY CAUSE IRRITATION.
INGESTION: IF ACCIDENTALLY INGESTED, SEEK MEDICAL ATTENTION AS SOON AS POSSIBLE.

SECTION V: FIRE FIGHTING MEASURES & RELATED INFORMATION

FLAMMABILITY; ALL POWDERED METALS ARE HIGHLY FLAMMABLE AND CAN SOMETIMES BE PYROPHORIC. MIXED BINARY IS HIGHLY FLAMMABLE - DEFLAGRATION MAY OCCUR	NFPA RATING; 4 - SEVERE HAZARD (WHEN MIXED)	
GENERAL FIRE HAZARDS; PYROTECHNIC COMPOSITIONS 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 MIXED BINARY. INCIPIENT FIRES OR FIRES INVOLVING UNMIXED INGREDIENTS MAY BE FOUGHT. FLOOD WITH WATER IF UNMIXED. DO NOT USE SUFFOCATION METHODS, CLEAR AREA OF PERSONNEL!		
FLASHPOINT; N/A	UPPER FLAMMABLE LIMITS; N/A	LOWER FLAMMABLE LIMITS; N/A
AUTO-IGNITION TEMPERATURE; APPROX. - 440° C	SENSITIVITY TO IMPACT; MIXED BINARY - HIGH	SENSITIVITY TO ELECTROSTATIC; MIXED BINARY - HIGH

SECTION VI: ACCIDENTAL RELEASE MEASURES

CONTAINMENT PROCEDURES; SPILLED INGREDIENTS MAY BE GENTLY SWEEPED UP AND RE-PACKAGED IN ORIGINAL PACKAGING OR EQUIVALENT. IN CASE PYROTECHNIC COMPOSITION, (MIXED BINARY) 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).



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CLEAN-UP PROCEDURES;

PACKAGED INGREDIENTS CAN BE PICKED UP GENTLY. FOR SPILLED MATERIAL, (UNMIXED OR MIXED INGREDIENTS) WHICH MAY BE RELEASED ACCIDENTALLY, FLOOD AREA WITH WATER OR SOLVENT 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.

STORAGE REQUIREMENTS;
STORE IN A COOL, WELL VENTILATED, AND DRY AREA. DEPENDENT UPON APPLICATION, SEPARATION DISTANCES AND SECURITY MEASURES ARE TO BE COMPLIED WITH.

SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

EXPOSURE LIMITS:	ACGIH TLV = 10MG/M ³	OSHA PEL = 15MG/M ³	OTHER = NUISANCE DUST
ENGINEERING CONTROLS; N/A - EXPOSURE TO MIXING PROCESS SHOULD BE ISOLATED AND CONSIDERED ONE-TIME PROCESS			
PERSONAL PROTECTIVE EQUIPMENT; WHEN HANDLING THE MIXED BINARY, THE USE OF 100% COTTON CLOTHING IS HIGHLY RECOMMENDED. FLAME RETARDANT APPAREL IS NECESSARY DEPENDENT UPON EXPOSURE. SAFETY GLASSES ARE REQUIRED.			

SECTION IX: PHYSICAL PROPERTIES

PHYSICAL STATE; SUPPLIED UNMIXED IN SEPARATE CONTAINERS	ODOR & APPEARANCE; WHITE POWDER - NO ODOR & GREY POWDER - NO ODOR	SPECIFIC GRAVITY; 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; UNKNOWN
SOLUBILITY IN WATER; N/A	MELTING POINT; MIXED MATERIALS WILL CATCH FIRE BEFORE MELTING.	VOC; UNKNOWN



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SECTION X: STABILITY & REACTIVITY

CHEMICAL STABILITY; X STABLE	UNSTABLE	IF UNSTABLE, UNDER WHAT CONDITIONS;
INCOMPATIBILITIES; IGNITION SOURCES AND STRONG ALKALI'S		
REACTIVITY; SOME INGREDIENTS CAN BE REACTIVE TO WATER. MIXED 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 OXIDES OF MAGNESIUM AND ALUMINUM.		

SECTION XI: TOXICOLOGICAL INFORMATION

CARCINOGENICITY - IARC; SILICON DIOXIDE - MONOGRAPH 68, (1997)(LISTED UNDER AMORPHOUS SILICA)(GROUP 3 (NOT CLASSIFIABLE)	CARCINOGENICITY - ACGIH; UNKNOWN
ROUTES OF ENTRY; INHALATION, INGESTION, EYE CONTACT	
TOXICITY TO ANIMALS; (INGREDIENTS ONLY) SEE SECTION II.	
CHRONIC EFFECTS ON HUMANS; (INGREDIENTS ONLY) N/A	
OTHER TOXIC EFFECTS ON HUMANS; N/A	

SECTION XII: ECOLOGICAL INFORMATION

ECOTOXICITY; NOT AVAILABLE	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.	
SPECIAL REMARKS ON THE PRODUCTS OF BIODEGRADATION: NOT AVAILABLE	

SECTION XIII: DISPOSAL CONSIDERATIONS:

EPA WASTE CODES APPLICABLE; MIXED BINARY WILL EXHIBIT THE CHARACTERISTICS OF REACTIVITY IN ACCORDANCE WITH 40 CFR. D003 WOULD BE APPLICABLE IF MIXED BINARY IS CONSIDERED WASTE.



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AIRBURST POWDER, BINARY - ALL TYPES

WASTE DISPOSAL;

WASTES MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. AS STATED ABOVE, DRY COMPOSITION DOES EXHIBIT A RCRA CHARACTERISTIC AS DEPICTED BY 40 CFR AND/OR OTHER INTERNATIONAL REGULATIONS.

SECTION XIV: TRANSPORTATION INFORMATION

DOT CLASSIFICATION & UN IDENTIFICATION;

INGREDIENTS;
OXIDIZER, CLASS 5 - (PART A)
FLAMMABLE SOLID, CLASS 4 - (PART B)

PROPER SHIPPING NAME & TECHNICAL NAME;

WHEN SHIPPED TOGETHER;
ARTICLES, PYROTECHNIC, UN0431

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 BINARIES IN A FIRE OR THE POTENTIAL 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.

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.

NATIONAL FIRE PROTECTION ASSOCIATION RATINGS;

(THESE RATINGS ARE ASSUMED AND HAVE NOT BEEN CONFIRMED AS YET)

HEALTH HAZARD - 1 FLAMMABILITY - 4 REACTIVITY - 3 SPECIAL - 0

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.