



SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Lightning® Black Fingerprint Powder		DATE: July 15, 2011	
PRODUCT NUMBER: A-1-0013			
TRADE NAME: Lightning Fingerprint Powder-Black GENERAL USE: Latent Fingerprint Powder CHEMICAL FAMILY: Carbon black-based fingerprint powder. PRODUCT DESCRIPTION: Fine, black powder with negligible odor			
MANUFACTURER Lightning Powder	DISTRIBUTOR Arrowhead Forensics	DATE PREPARED: July 15, 2011 SUPERSEDES: July 18, 2008	
ADDRESS 13386 International Parkway Jacksonville, FL. 32218 USA	ADDRESS 11030 Strang Line Road Lenexa, KS. 66215 USA www.arrowheadforensics.com	TELEPHONE NUMBER FOR INFORMATION / Customer Service 800-347-1200	
		CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER  1-800-255-3924 01-813-248-0585 North America Toll Free International	

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Product is generally non-toxic, but can be an irritant dust.

POTENTIAL HEALTH EFFECTS

INHALATION:
Acute- Dust concentrations above the permissible limit may cause temporary respiratory tract discomfort. Chronic- Carbon black is designated as a nuisance dust. Coughing or sneezing may occur.

SKIN:
Possible slight to moderate redness may occur with exposure.

EYES:
Possible transient irritation. Not classed as a primary irritant.

INGESTION:
Product is generally non- toxic.

CARCINOGENICITY:
 NTP? **NO** IARC MONOGRAPHS? **NO** OSHA REGULATED? **NO**
 CALIFORNIA, Prop.65? **NO**

SECTION 3 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Carbon Black	15-25	1333-86-4	215-609-9	None	None

Notes:

SECTION 4 - FIRST AID MEASURES

INHALATION:
Remove victim to fresh air.

EYES:
Flush with water for 15 minutes occasionally lifting the eyelids.

SKIN:
Rinse with copious amounts of water . Wash with soap and water and launder contaminated clothing before re-use.

INGESTION:
Product is generally non-toxic.

SAFETY DATA SHEET

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PRODUCT NUMBER: A-1-0013 **DATE:** July 15, 2011

SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS:
 This product may contain residual oxygenated volatiles which can further react and generate heat. It may not be obvious that material is burning unless it is stirred and sparks are apparent.

EXTINGUISHING MEDIA:
 Water spray

FIRE FIGHTING PROCEDURES:
 Emergency responders should wear bunker gear and NIOSH or European EN-149 organic vapor respirators avoid exposure to decomposition products (29CFR 1910.156). Proper eye and skin protection should also be used.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
 Ignition may produce dense black smoke. This product may contain residual oxygenated volatiles which can further react and generate heat. It may not be obvious that material is burning unless it is stirred and sparks are apparent.

HAZARDOUS COMBUSTION PRODUCTS:
 Combustion produces major amounts of Carbon Monoxide, Carbon Dioxide, Smoke, Soot and minor amounts of Nitrogen oxides and Sulfur oxides.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
 Vacuum, sweep, or spray with water and collect in a suitable container. Collect uncontaminated material for possible reuse.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
 Do not store above 120°F. Keep away from oxidizing agents.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	STEL ppm	PEL mg/m3
Carbon Black		3.5				3.5		3.5

PERSONAL PROTECTION
RESPIRATORY PROTECTION:
 Not required in unconfined or well ventilated areas. . Use NIOSH or E.U. EN149 standard approved respirators for areas where general ventilation is not possible.

PROTECTIVE GLOVES:
 Gloves are advised for repeated or prolonged contact.

EYE PROTECTION:
 Safety glasses or splash goggles for prolonged use.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
 Eye wash station in the event of eye contact with material.

WORK / HYGIENIC PRACTICES:
 Employ good, industrial hygiene practices by using adequate ventilation and personal protection, as needed. Where dust cannot be controlled, personal respiratory protection should be employed.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR Fine, black powder with negligible odor	VAPOR PRESSURE NE
pH NA	SPECIFIC GRAVITY (WATER = 1) 1.8
MELTING POINT NE	SOLUBILITY IN WATER Negligible
FLASH POINT NE	VISCOSITY NA
FLAMMABLE LIMITS LEL: NE UEL: NE	VAPOR DENSITY (AIR = 1) NE
AUTOIGNITION TEMPERATURE NE	EVAPORATION RATE (WATER = 1) NE

SAFETY DATA SHEET

PRODUCT NAME: Lightning® Black Fingerprint Powder
PRODUCT NUMBER: A-1-0013 **DATE:** July 15, 2011

SECTION 10 - STABILITY AND REACTIVITY

STABILITY	STABLE X	CONDITIONS TO AVOID: Excessive heat (230 deg. F or 105 deg. C)
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INCOMPATIBILITY (MATERIALS TO AVOID):
Strong oxidizers such as chlorates, bromates, and nitrates.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
Major amounts of Carbon Monoxide, Carbon Dioxide, Smoke, Soot and minor amounts of Nitrogen and Sulfur oxides.

HAZARDOUS POLYMERIZATION: Will not occur.	CONDITIONS TO AVOID: None related to polymerization.
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SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Carbon Black	1333-86-4 215-609-9	>15,400 mg/kg (oral, rat)	lowest published toxic concentration: 1.66 mg/m3/7 hour

SECTION 12 - ECOLOGICAL INFORMATION

No ecological information is available for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:
 Dispose of product waste as well as containers in accordance with all local, state and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not regulated for transport.	IATA HAZARD CLASS / Pack Group: Not regulated
DOT HAZARD CLASS / Pack Group: Not regulated.	IMDG HAZARD CLASS: Not regulated
REFERENCE:	RID/ADR Dangerous Goods Code: Not regulated
UN / NA IDENTIFICATION NUMBER: Not regulated.	UN TDG Class / Pack Group: Not regulated
LABEL: None	Hazard Identification Number (HIN): None
HAZARD SYMBOLS: None	

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act):	No
SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):	No
Acute Health: No	Chronic Health: No
Fire: No	Sudden Release of Pressure: No
Reactive: No	

313 REPORTABLE INGREDIENTS: No

CERCLA (USA - Comprehensive Response Compensation and Liability Act): Not listed.
 California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: Not listed.
 State Right to Know: **Carbon: NJ, PA**

CPR (Canadian Controlled Products Regulations): Not listed
 IDL (Canadian Ingredient Disclosure List): Listed.
 DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): Components listed on DSL.
 EINECS (European Inventory of Existing Commercial Chemical Substances): Referenced.
 WGK Water Quality Index: 1

RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU LABEL	SAFETY PHRASES:
None listed	None listed	None listed

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SECTION 16 - OTHER INFORMATION

Legend: NA= Not applicable, NE= Not established, ND= Not determined.

HMIS HAZARD RATINGS	HEALTH: FLAMMABILITY: PHYSICAL HAZARD: PERSONAL PROTECTIVE EQUIPMENT:	2 1 0	0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME
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REVISION SUMMARY:
Revised to E.U. protocols 7/15/2011, supersedes 7/18/2008 issue. JTV

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vender or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.