



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME:</b> Lightning® Black Fingerprint Powder		<b>DATE:</b> July 15, 2011	
<b>PRODUCT NUMBER:</b> 1-0001 (1003827), 1-0002 (1003829), 1-0013 (1003842), 1-0301 (1003990)			
<b>TRADE NAME:</b> Lightning Fingerprint Powder-Black <b>GENERAL USE:</b> Latent Fingerprint Powder <b>CHEMICAL FAMILY:</b> Carbon black-based fingerprint powder. <b>PRODUCT DESCRIPTION:</b> Fine, black powder with negligible odor			
<b>MANUFACTURER:</b> <b>Safariland LLC</b>	<b>DATE PREPARED:</b> July 15, 2011		
	<b>SUPERSEDES:</b> July 18, 2008		
<b>ADDRESS (NUMBER, STREET, P.O. BOX)</b> 13386 International Parkway		<b>TELEPHONE NUMBER FOR INFORMATION / Customer Service</b> <b>800-347-1200</b>	
<b>(CITY, STATE AND ZIP CODE)</b> Jacksonville, FL. 32218	<b>COUNTRY</b> USA	<b>CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER</b>  <b>1-800-255-3924</b> <b>01-813-248-0585</b> 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)
<b>Carbon Black</b>	<b>15-25</b>	<b>1333-86-4</b>	<b>215-609-9</b>	<b>None</b>	<b>None</b>

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.

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## 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
<b>Carbon Black</b>		<b>3.5</b>				<b>3.5</b>		<b>3.5</b>

### 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

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

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## SECTION 10 - STABILITY AND REACTIVITY

STABILITY	STABLE X	CONDITIONS TO AVOID:
		Excessive heat (230 deg. F or 105 deg. C)

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:	CONDITIONS TO AVOID:
Will not occur.	None related to polymerization.

## SECTION 11 - TOXICOLOGICAL INFORMATION

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

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