SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

DNA FREE LATENT PRINT POWDER BLACK

Date Prepared	: Feb 02, 2014	Revision Date	: -
Revision	: 0	SDS No	: GBF - 15 1 6

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier A-2353SBP

Product name DNA Free Latent Print Powder Black

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses of the substance

Fingerprint powder (Criminal)

1.2.2. Uses advised against

No uses specifically advised against.

1.3. Details of the supplier of the safety data sheet

Company name Arrowhead Forensics

Address 11006 Strang Line Road, Lenexa, KS 66215

Tel 913-894-8388

Fax 913-894-8399

E-mail info@arrowheadforensics.com

1.4. Emergency telephone numbers

No additional information available.

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS];

The product is not classified as hazardous according to Regulation 1272/2008 (CLP).

Classification according to 67/548/EEC [DSD] or 1999/45/EC [DPD];

The product is not classified as hazardous according to Directive 1999/45/EC (DPD).

2.2. Label Elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

The product does not need to be labelled according to Directive 1999/45/EC (DPD) and Regulation (EC) No 1272/2008 (CLP).

2.3. Other hazards

Result of PBT and vPvB assessment : No data available

2.4. Additional information

Please look over section 11 for toxicological information. Full text of R-, H and EUH phrases: see section 16.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance/Mixture

Name	EC No.	CAS No.	%	Classification
Black Iron Oxide	215-277-5	1317-61-9	70 - 80	DSD : Not classified CLP : Not classified
Graphite Dust	231-955-3	7782-42-5	20 - 30	DSD : Not classified CLP : Not classified

3.2. Additional information

See Section 16 for the full text of the R phrases or H statements declared above.

4. FIRST AID MEASURES

4.1. Description of first aid measures

General information

Medical assistance is needed in case of ingestion and inhalation of large amounts of dust.

Eye contact

Do not rub eyes in order to avoid possible cornea damage as a result of mechanical stress. Check for and remove any contact lenses. Rinse out with water with the eyelid held wide open. Get medical attention if irritation persists.

Skin contact

Wash off immediately with soap and plenty of water. Get medical attention if irritation persists.

Ingestion

Rinse out mouth and make victim drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting unless directed to do so by medical personnel; call for medical help.

Inhalation

Remove from exposure. Keep warm and at rest and provide fresh air. Dust in throat and nasal passages should clear spontaneously. Get medical attention if irritation persists.

4.2. Most important symptoms and effects, both acute and delayed

Ingestion of large amounts leads to nausea, vomiting and diarrhoea.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable : Water, alcohol resistant foam, CO, dry chemical powder

Unsuitable : Water jet

5.2. Special hazards arising from the substance or mixture

Development of hazardous combustion gases or fumes are possible in the event of fire

5.3. Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing in case of fire. Avoid breathing fire fumes.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Keep unnecessary and unprotected personnel from entering. Wear appropriate personal protective equipment as described in Section 8. Follow the advice for safe handling and use given in Section 7.

6.2. Environmental protection measures

Do not empty into drains and sewers. Keep from entering to water and ground water systems. Contain spillage where possible and safe to do so. Inform appropriate authority in case of accidental contamination of watercourses or drains.

6.3. Methods and material for containment and cleaning up

Use dry cleanup methods such as vacuum exhaust which do not generate dust formation. Never use compressed air for cleaning. If dust is formed applying a dry cleaning method, personal protective equipment must be used. Avoid inhalation of product dust and skin contact. Place the spilled material in an appropriate waste disposal containerfor proper disposal.

6.4. Reference to other sections

Review safety handling information in Section 7, personal protection measures in Section 8 and disposal measures in Section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Protective measures: Provide adequate ventilation. Provide local exhaust or general room ventilation to minimize dust concentrations. Avoid inhalation and contact with skin, eye and clothing.

Hygiene measures: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wash contaminated clothing prior to re-use. Remove all contaminated clothing and footwear.

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7.2. Conditions for safe storage, including any incompatibilities

Store inoriginal tightly sealed containers Store in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink.

7.3. Specific end uses

No further relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits (EH40/2005 Workplace exposure limits)

TWA (general dust limit; 8h): 4mg/m^3 - airborne fraction

TWA (general dust limit; 8h): 10 mg/m^3 - inhalable fraction

Derived effect levels

No data available for product.

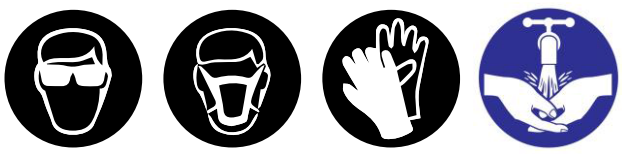
Predicted effect concentrations

No data available for product.

8.2. Exposure controls

Do not eat, drink or smoke when working. Wash hands and if necessary shower before breaks and after work to remove adherent product. Avoid contact with eyes and skin. After working with product, workers should wash or shower. Clean contaminated clothing, footwear etc. thoroughly before reusing them.

Personal protective equipment



Eye/Face Protection:

Use tight fitting safety goggles according to EN 166 where dust is formed. Do not wear contact lenses in work areas.

Hand Protection:

Wear dust proof protective gloves with EN 374 standard.

Respiratory Protection:

Use FFP1 type dust mask with EN 143 standard.

Skin and body protection

Wear protective clothing if required

Environmental exposure controls

Attempt to stop spillage without personal risk. Should not be released into the environment. Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General information

Appearance	: Solid,powder
Colour	: Black
Odour	: Odourless
pH (20°C)	: No data available
Melting point (°F)	: No data available
Boiling point (°F)	: No data available
Flash Point	: No data available
Flammable properties	: No data available
Explosive properties	: No data available
Vapour pressure, (hPa, 20°C)	: No data available
Density (g/cm^3)	: No data available
Water solubility	: No data available

9.2. Other information

No additional information available

10. STABILITY AND REACTIVITY

10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical stability

The product is a stable under normal conditions of storage and use.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Humidity,excess heat

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. In a fire, decomposition may produce toxic gases/fumes.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Black Iron Oxide

Oral; LD50 Rat >5,000 mg/kg

Graphite

Oral; LD50 Rat >2,000 mg/kg

Inhalation; LC50 Rat >2,000 mg/m^3 air 4 h

Skin & eye corrosion/irritation

The product is not classified as corrosive or irritating in case of skin and eye contact.

Sensitization

Not sensitizing

Genetic Toxicity

Negative

Repeated Dose Toxicity

No data available

Carcinogenicity

The product is not expected to be carcinogenic.

Reproductive toxicity

No data available

Specific target organ toxicity

Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

12. ECOLOGICAL INFORMATION

12.1. Acute Toxicity

The product is not hazardous to the environment.

Black Iron Oxide

Fish; LL0 (96 h) >10,000 mg/kg

Daphnia; EL0 (48 h) >10,000 mg/kg

Graphite

Fish; LC50 (96 h) >1 00 mg/L

Daphnia; EC 50(48 h) >100 mg/ L

12.2. Persistence and degradability

The product doesn't fulfil the P nor vP criteria.

12.3. Bioaccumulative potential

No bioaccumulation potential is expected. The product doesn't fulfil the B nor vB criteria.

12.4. Mobility in soil

No mobility expected

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment: The product does not meet the criteria for PBT or vPvB in accordance with Annex XIII of the REACH Regulation (EC) No 1907/2006.

12.6. Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Can bedeposited in landfills, sent to an incineration or other appropriate means of disposal provided they meet the requirements of local laws.

13.2. European waste catalogue and list of hazardous waste

Dispose of in accordance with local regulations. According to the European Waste Catalogue, waste codes are not product specific, but application specific. Waste codes should be assigned by the user.

13.3. Methods of disposal

The generation of waste should be avoided or minimized wherever possible. Dispose of in accordance with local regulations.

13.4. Contaminated packaging

This material and its package must be disposed of in a safe way.

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14. TRANSPORT INFORMATION

14.1. General information

The product is not classified as hazardous for transport according UN ADR/RID, ADNR, IMDG and IATA lists.

14.2. UN number

Not relevant

14.3. UN proper shipping name

Not relevant

14.4. Transport hazard class(es)

Not relevant

14.5. Packing group

Not relevant

14.6. Environmental hazards

Not relevant

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations specific for the substance or mixture

Regulation (EC) No 1907/2006, (REACH),

Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006,

Council Directive 67/548/EEC, (DSD),

Regulation (EC) No 1272/2008 (CLP),

Commission Directive 2006/15/EC,

Commission Directive 2000/39/EC

ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road

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16. OTHER INFORMATION

16.1. Indication of changes to the previous revision

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16.2. Abbreviations and acronyms

ADNR : Regulation for the Carriage of Dangerous Substances on the Rhine

ADR : European Agreement Concerning the Int. Carriage of Dangerous Goods by Road

CAS No : Chemical Abstract Service Index Number

CLP : Regulation of Classification, Labelling and Packaging of Chemicals

DNEL : Derived No Effect Level

DPD : Dangerous Preparations Directive

DSD : Dangerous Substances Directive

EC No : European Commission Number

EC50 : Half Maximal Effective Concentration

ELO : Effective Loading

GHS : Globally Harmonized System of Classification and Labeling Of Chemicals

IATA : International Air Transport Association

ICAO : International Civil Aviation Organization

IMDG : International Maritime Code for Dangerous Goods

LLO : Lethal Loading

LC50 : Median Lethal Concentration

LD50 : Median Lethal Dose

PBT : Persistent Bioaccumulative Toxic

PNEC : Predicted No Effect Concentration

RID : International Rule for Transport of Dangerous Substances by Railway

TWA : Time Weighted Average

vPvB : Very Persistent, Very Bioaccumulative

16.3. Further Information

The information contained within this Safety Data Sheet is believed to be accurate and have been compiled from sources believed to be reliable. It is offered for consideration, investigation and verification. It is the user´s responsibility to follow the guidelines as outlined within this SDS. The user assumes all risk of use, storage and handling in compliance with applicable laws and regulations.