

## Safety Data Sheet

Date of Print:

according to 1907/2006/EC, Article 31

Version: 1.0

### SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

- 1.1 Product Identifier**  
**Substance name:** SupraNano Black Latent Fingerprint Suspension  
**Product no.:** 03BLK250
- 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**  
**Relevant identified uses:** Professional Uses [SU 22]; Law enforcement/forensic applications. [PC0] Other; Latent fingerprint development  
**Uses advised against:** No further relevant information available
- 1.3 Details of Supplier of Safety Data Sheet**  
**Manufacturer:** SceneSafe Ltd  
**Address:** Midas House  
 8&9 Burnham Business Park  
 Springfield Road  
 Burnham-on-Crouch  
 Essex CM0 8TE  
 United Kingdom  
[www.scenesafe.co.uk](http://www.scenesafe.co.uk)
- 1.4 Emergency Telephone Number**  
**Telephone number:** +44 (0) 1621 786654 (English only)  
**Opening hours:** Monday – Friday, 0900 - 1700

### 2.1 Classification of the Substance or Mixture

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:



GHS07 Warning

Skin Irrit. 2 H315 Causes skin irritation  
 Eye Irrit. 2 H319 Causes serious eye irritation  
 STOT SE 3 H335 May cause respiratory irritation

#### 2.2 Labelling according to Regulation (EC) No 1272/2008 [CLP]:

This mixture is classified and labelled according to the CLP regulation

**Hazard pictograms:** GHS07  
**Signal word:** Warning  
**Hazard statements:** H315 Causes skin irritation  
 H319 Causes serious eye irritation  
 H335 May cause respiratory irritation

**Precautionary statements:** P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
 P280 Wear protective gloves/protective clothing/eye protection/face protection  
 P302+P352 IF ON SKIN: Wash with plenty of water  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P312 Call a POISON CENTER or doctor/physician if you feel unwell  
 P332+P313 If skin irritation occurs: Get medical advice/attention  
 P337+P313 If eye irritation persists: Get medical advice/attention  
 P362 Take off contaminated clothing and wash before reuse  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### SECTION 3: Composition/Information on Ingredients

#### 3.2 Mixtures

**Description of Mixture:** Majority water suspension

**Hazardous Ingredients:** Iron (II,III) oxide

CAS No.	EC No.	% [Weight]	Name	Classification according to Regulation (EC) No. 1278/2008 (CLP)	Classification according to directive 67/548/EEC or Directive 1999/45/EC
1317-61-9	215-277-5	9.9	Iron(II,III) Oxide	Flam. Sol. 2, H228 Eye Irrit. 2, H319 STOT SE 3, H335	X <sub>i</sub> ; Irritant, R36/R37/R38

### SECTION 4: First Aid Measures

#### 4.1 Description of First Aid Measures

**Following inhalation:** Unlikely source of entry. Remove victim to fresh air. Seek medical attention if needed.

**Following skin contact:** Wash with soap and water. Seek medical attention if irritation occurs

**Following eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor if irritation persists.

**Following ingestion:** Wash out mouth with water. Seek medical advice.

#### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

**If ingested:** Irritating if swallowed; there may be soreness and redness of the mouth and throat.

**If inhaled:** Not known

**If contact with skin:** Mild irritation may be caused at site of contact

**If contact with eyes:** May cause mild to severe irritation and redness.

#### 4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

No further relevant information available

### SECTION 5: Firefighting Measures

#### 5.1 Extinguishing Media

**Suitable extinguishing media:**

Use fire-fighting measures that suit the environment.

**For safety reasons unsuitable extinguishing agents:**

Not applicable

#### 5.2 Special Hazards Arising from the Substance of Mixture

**If this product is involved in a fire, the following can be released:**

Non-combustible. In combustion may generate hazardous fumes.

#### 5.3 Advice for Firefighters

**Protective equipment:**

Wear self-contained breathing apparatus for fire fighting. Avoid contact with skin and eyes.

### SECTION 6: Accidental Release Measures

#### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

See section 8 for personal protection.

#### 6.2 Environmental Precautions

Do not allow material to be released to the environment without proper government permits. Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil.

#### 6.3 Methods and Material for Containment and Cleaning Up

Use absorbent material to pick up the product and discard in disposal container.

#### 6.4 Reference to Other Sections

See section 7 for information on safe handling

See section 8 for information on personal protection equipment

See section 13 for information on disposal.

### SECTION 7: Handling and Storage

#### 7.1 Precautions for Safe Handling

Ensure adequate ventilation. Minimise the release of the substance or mixture into the environment.

- 7.2 Conditions for Safe Storage, Including any Incompatibilities**  
Store in a cool, well-ventilated location. Keep away from oxidising agents. Keep container tightly closed after use.
- 7.3 Specific End Use(s)**  
The intended use of the product is for the visualisation of latent fingermarks only. The suspension should be sprayed onto the marks and the excess carefully washed off the surface with deionised water. Waste product should be transferred to a sealable container. See section 13 for information regarding disposal.
- 7.4 Reference to Other Sections:**  
See section 13 for information on disposal.

**SECTION 8: Exposure Controls/Personal Protection**

- 8.1 Control Parameters** Not required.
- 8.2 Exposure Controls**
- Personal Protective Equipment**
- General protective and hygienic measures:** The usual precautionary measures should be adhered to in handling chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any impregnated garments. Wash hands during breaks and at the end of work. Avoid contact with eyes and skin. Handle in accordance with good industrial hygiene and safety practice by using adequate ventilation and personal protection as needed. Maintain an ergonomically appropriate working condition.
- Breathing equipment:** Not required in unconfined or well-ventilated areas. Use NIOSH or EU EN149 standard approved respirators for areas where general ventilation is not possible.
- Protection of hands:** Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- Material of gloves:** Impervious gloves
- Penetration time of glove material:** Not determined.
- Eye protection:** Safety glasses or splash goggles are advised to be worn while handling.
- Body protection:** Protective work clothing.

**SECTION 9: Physical and Chemical Properties**

- 9.1 Information on Basic Physical and Chemical Properties**
- General Information**
- Appearance:**
- |                         |                   |
|-------------------------|-------------------|
| <b>Form:</b>            | Liquid suspension |
| <b>Colour:</b>          | Black             |
| <b>Smell:</b>           | Not determined    |
| <b>Odour threshold:</b> | Not determined    |
- 
- pH-value:** Not applicable
- 
- Change in condition**
- |                                       |                |
|---------------------------------------|----------------|
| <b>Melting point/range:</b>           | 0 °C           |
| <b>Boiling point/range:</b>           | 100 °C         |
| <b>Sublimation temperature/start:</b> | Not determined |
- Inflammability (solid, gaseous)**
- |                                   |                |
|-----------------------------------|----------------|
| <b>Ignition temperature:</b>      | Not determined |
| <b>Decomposition temperature:</b> | Not determined |
| <b>Self-inflammability:</b>       | Not determined |
- Danger of explosion**
- Critical values for explosion:**
- |               |                |
|---------------|----------------|
| <b>Lower:</b> | Not determined |
| <b>Upper:</b> | Not determined |
- Steam pressure:** Not applicable
- Density at 20 °C** Not determined
- Settled apparent density at 20 °C:** Not determined
- Relative density:** Not determined
- Vapour density:** Not applicable

<b>Evaporation rate:</b>	Not applicable
<b>Solubility in / Miscibility with water:</b>	>0.90 % soluble in water
<b>Partition coefficient (n-octanol/water)</b>	
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable
<b>Kinematic:</b>	Not applicable
<b>9.2 Other Information:</b>	No further relevant information available

### SECTION 10: Stability and Reactivity

<b>10.1 Reactivity</b>	No information known
<b>10.2 Chemical Stability</b>	Stable under recommended storage conditions
<b>Thermal Decomposition/conditions to avoid:</b>	No decomposition if used and stored according to specifications.
<b>10.3 Possibility of Hazardous Reactions</b>	No information known
<b>10.4 Conditions to Avoid</b>	No information known.
<b>10.5 Incompatible Materials</b>	Oxidising agents
<b>10.6 Hazardous Decomposition Products</b>	Metal oxides

### SECTION 11: Toxicological Information

<b>11.1 Information on Toxicological Effects</b>									
<b>11.1.1 Acute toxicity:</b>									
	<table border="1"> <thead> <tr> <th>Hazardous components</th> <th>EC No.</th> <th>CAS no.</th> <th>LC/LD<sub>50</sub> values relevant for classification</th> </tr> </thead> <tbody> <tr> <td>Iron(II,III) Oxide</td> <td>215-277-5</td> <td>1317-61-9</td> <td>No effects known</td> </tr> </tbody> </table>	Hazardous components	EC No.	CAS no.	LC/LD <sub>50</sub> values relevant for classification	Iron(II,III) Oxide	215-277-5	1317-61-9	No effects known
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Iron(II,III) Oxide	215-277-5	1317-61-9	No effects known						
<b>Skin irritation or corrosion:</b>	May cause mild irritation at site of contact								
<b>Eye irritation or corrosion</b>	May cause irritation and redness								
<b>Sensitization:</b>	No effects known.								
<b>Germ cell mutagenicity:</b>	No effects known.								
<b>Carcinogenicity:</b>	No component of this product at levels greater than or equal to 0.1 % is identified as probably, possible or confirmed carcinogen by IARC.								
<b>Reproductive toxicity:</b>	No effects								
<b>Specific organ system toxicity</b>									
<b>Repeated exposure:</b>	No effects known.								
<b>Single exposure:</b>	No effects known.								
<b>Aspiration hazard:</b>	No effects known								
<b>Other information (experimental toxicity):</b>	No further information.								
<b>Additional toxicological information:</b>	The acute and chronic toxicity of this substance is not fully known.								

### SECTION 12: Ecological Information

<b>12.1 Toxicity</b>	
<b>Aquatic toxicity:</b>	No further relevant information available
<b>12.2 Persistence and Degradability:</b>	No further relevant information available
<b>12.3 Bioaccumulative Potential:</b>	No further relevant information available
<b>12.4 Mobility in Soil:</b>	No further relevant information available
<b>Additional ecological information:</b>	Do not allow material to be released to the environment without proper government permits. Generally not hazardous for water. Avoid transfer into the environment.
<b>12.5 Results of PBT and vPvB Assessment</b>	
<b>PBT:</b>	Not applicable
<b>vPvB:</b>	Not applicable
<b>12.6 Other Adverse Effects:</b>	No further relevant information available.

### SECTION 13: Disposal Considerations

<b>13.1 Waste Treatment Methods</b>	
<b>Recommendation:</b>	Hand over to disposers of hazardous waste. Must be treated under adherence to official regulations. Consult state, local or national regulations for proper disposal of used and unused product.

**Packaging:** Disposal must be in line with official regulations.

#### SECTION 14: Transport Information

14.1	<b>UN Number:</b>	Not applicable
14.2	<b>UN Proper Shipping Name:</b>	Not applicable
14.3	<b>Transport Hazard Class(es):</b>	Not applicable
14.4	<b>Packing Group</b>	Not applicable
14.5	<b>Environmental Hazards:</b>	Not applicable
14.6	<b>Special Precautions for User:</b>	Not applicable
14.7	<b>Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code:</b>	Not applicable

#### SECTION 15: Regulatory Information

15.1	<b><u>Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture</u></b> No data available
15.2	<b><u>Chemical Safety Assessment</u></b> No Chemical Safety Assessment has been carried out for this mixture by the supplier.

#### SECTION 16: Other Information

**16.1 Disclaimer:**  
The above information is believed to be correct, however it does not proclaim to be all-inclusive and shall be used only as a guide. SceneSafe Ltd shall not be held liable for any damage from handling or contact with the above product. Independent judgement of the suitability of this product should be exercised in supplement to this information to ensure proper use and protect the health and safety of employees.

(i)	<b>Abbreviations and acronyms:</b>	GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
		CAS:	Chemical Abstracts Service (division of the American Chemical Society)
		LC <sub>50</sub> :	Lethal concentration, 50 percent
		LD <sub>50</sub> :	Lethal dose, 50 percent

This SDS has been compiled and is solely intended for this product.