

Product Name: SUPRANANO BLACK MAGNETIC FINGERPRINT POWDER
Product code: 02BLK
Revision Date: September 01, 2013
SECTION 1 Identification of the substance/mixture and of the company/undertaking

Product Name	SUPRANANO BLACK MAGNETIC FINGERPRINT POWDER
Product Code	02BLK
Recommended use	Latent fingerprint powder
Product description	Black powder, iron based
Company	ARRO Supranano Ltd INEX Business Facility Newcastle upon Tyne NE1 7RU
Telephone	+44 (0)191 222 3576
Fax	+44 (0)191 222 3545
Emergency telephone number (Monday – Friday 0800 – 1700)	+44 (0)191 222 3576
Website	www.arrosupranano.com

SECTION 2 Hazards Identification
Classification of the substance or mixture

Not a hazardous substance in accordance to Regulation (EC) No 1272/2008.

Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

Precautionary statement(s)	P264 Wash hands thoroughly after handling P280 Wear protective gloves/protective clothing/eye protection/face protection P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337+P313 IF eye irritation persists: Get medical advice/attention
Other hazards	None

SECTION 3 Composition of hazardous ingredients

Hazardous components	CAS-No.	%w/w	EC-No.	EU classification
Carbon black	1333-86-4	5%	215-609-9	None

SECTION 4 First aid measures
Description of first aid measures
If ingested

Wash out mouth with water, do not induce vomiting. If conscious, give half a litre of water to drink and transfer to hospital.

If inhaled

If breathed in, remove from exposure into fresh air. Consult a doctor.

In case of skin contact

Wash immediately with soap and water.

In case of eye contact

Bathe the eye with running water for 15 minutes. Consult a doctor.

Information for doctor: Important symptoms
If ingested

Irritating if swallowed, there may be soreness and redness of the mouth and throat.

Absorption through the lungs could possibly occur, causing similar symptoms to those of ingestion. Chronic lung conditions could be aggravated by high concentrations of dust.

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In case of skin contact	
Mild irritation may be caused at the site of contact.	
In case of eye contact	
Mild irritation and redness.	
SECTION 5 Firefighting measures	
Suitable extinguishing media	
Extinguishing agents	Non-combustible extinguishing media should be used.
Advice for firefighters	
Protective equipment	In combustion emits toxic fumes. Wear self-contained breathing apparatus; wear protective clothing to prevent contact with skin and eyes.
Hazardous combustion products / Special hazards	Fine, dry dust suspensions can explode in presence of ignition. Combustion produces carbon monoxide, carbon dioxide, smoke, soot and minor amounts of nitrogen oxides and sulphur.
SECTION 6 Accidental release measures	
Personal precautions	Refer to section 8 for personal protection, do not create dust.
Environmental precautions	Do not discharge into drains or rivers.
Clean up procedures	Vacuum or sweep and transfer to a closable, labelled container and dispose according to local regulations.
SECTION 7 Handling and storage	
Precautions for safe handling	Ensure that there is sufficient ventilation of the area. Avoid formation of dust. Minimise the release of the substance or mixture to the environment
Precautions for safe storage	Store in a cool, well-ventilated area. Do not store above 120° F. Keep away from oxidising agents. Keep the container tightly closed until use.
SECTION 8 Exposure controls/personal protection	
Personal protective equipment	
Hygiene Measures	Keep away from foodstuffs. 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. Wash hands before breaks and at the end of the work day.
Skin and body protection	Protective clothing, gloves and rubber footwear for heavy contamination or spills.
Eye protection	Safety glasses or splash goggles are advised to be worn while handling.
Respiratory protection	Not required in unconfined or well-ventilated areas. Use NIOSH or EU EN149 standard approved respirators for areas where general ventilation is not possible
Hand protection	Handle with gloves.
SECTION 9 Physical and chemical properties	
Appearance	
Form	Powder, iron based
Colour	Black
Odour	Not characteristic
Safety data	
pH	No data available
Melting point	No data available
Boiling point	No data available
Flash point	No data available

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Evaporation rate	No data available		
Ignition temperature	No data available		
Lower explosion limit	No data available		
Upper explosion limit	No data available		
Vapour pressure	No data available		
Relative density	No data available		
Solubility	Insoluble in water and solvents, dispersible in liquids.		
Auto-ignition temperature	No data available		
Decomposition temperature	No data available		
Viscosity	No data available		
SECTION 10 Stability and reactivity			
Chemical stability	Stable under normal conditions.		
Conditions to avoid	Do not expose to heat above 300°C. Keep away from oxidising agents in order to avoid exothermic reactions.		
Incompatible materials	Strong oxidisers such as chlorates, bromates and nitrates.		
Hazardous decomposition products	Carbon monoxide, Carbon dioxide, Oxides of sulphur. In combustion emits smoke, soot and toxic fumes.		
SECTION 11 Toxicological information			
Acute toxicity			
	Hazardous Components	CAS #/ EINECS #	LD50 of Ingredient
	Carbon black	1333-86-4 / 215-609-9	>8000 mg/kg (oral, rat)
			LC50 of Ingredient
			No data available
Skin irritation	Irritant for skin and mucous membrane		
Eye irritation	Irritant effect		
SECTION 12 Ecological information			
Toxicity	No data available		
Persistence and degradability	No data available		
Bio accumulative potential	No data available		
Mobility in soil	No data available		
Additional information	No data available		
SECTION 13 Disposable considerations			
Waste treatment methods	Follow all local guidance and regulations on disposal for used and unused product.		
SECTION 14 Transport information			
None required			
SECTION 15 Regulatory information			
Risk phrases	No data available		
Safety phrases	No data available		
SECTION 16 Other information			
Disclaimer	The above information is believed to be correct but does not support to be all inclusive and shall be used only as a guide. ARRO SupraNano Ltd shall not be held liable for any damage from handling or contact with the above product.		