SAFETY DATA SHEET

910 Black Iron Oxide

1 IDENTIFICATION OF SUBSTANCE

1.1 Product Identifier:

Identification on the label/ Trade name: 910 Black Iron Oxide

1.2 Relevant Identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Pigment for the coloration of: paint, paper, plastics, and construction material.

1.2.2 Uses advised against:

Not available

1.3 Details of the Supplier of the material safety data sheet:

J. Allcock & Sons Ltd.,
Textile Street,
West Gorton,
Manchester,
M12 5DL.

Email: ja@allcocks.co.uk
Tel: +44 (0)161 223 7181
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2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

2.1.1 Classification:

Classification (EC 1272/2008):

Physical and Chemical Hazards: Not classified.
Human health: Not classified.
Environment: Not classified.

Classification (1999/45/EEC): Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.
Human health: May cause minor irritation on eye contact. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. May cause minor irritation on skin contact.
Environment: The product is not expected to be hazardous to the environment.
Physical and Chemical Hazards
This product is regulated for transportation and supply only when packaged in individual packages with volumes greather than 450 liters. If reconstituted into a container of 450L or greater for transportation or supply then the container should be labelled with the codes for a category 2 self-heating substance.

2.2 Label Elements:

Hazard Pictograms:
Not Required.
Signal Word(s):
Not Required.
Hazard Statement:
Not Required.
Precautionary statement:
Not Required.

2.3 Other hazards

The product does not contain any PBT or vPvB substances.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Substance Name	% by weight	CAS No.	EINECS No.	REACH No.	Classification
C.I. PIGMENT BLACK 11	90-100	1317-61-9; Alternative: 12227-89-3	215-277-5; Alternative: 235-442-5	01-2119457646-28-0007	EC 12727/2008: Not Classified 67/548/EEC: Not Classified

4 FIRST-AID MEASURES

4.1 Description of first aid measures:

4.1.1 In case of inhalation:

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

4.1.2 In case of skin contact:

Wash skin immediately with soap and water. Get medical attention if any discomfort continues.

4.1.3 In case of eyes contact:

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

4.1.4 In case of ingestion:

Do not induce vomiting. Immediately give a couple of glasses of water or milk, provided the victim is fully conscious. Get medical attention if any discomfort continues.

4.1.5 General information:
Contaminated clothing should be removed and washed before being re-used.

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing Media:

5.1.1 Suitable extinguishing media:
Use fire-extinguishing media appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture:

Can form dust clouds that may explode on contact with flames, heat and oxidisers. May ignite at high temperature.

Specific hazards:
Dust may form an explosive mixture in the atmosphere.

5.3 Advice for fire fighters:

Special Fire Fighting Procedures
N/A.
Protective equipment for fire-figthers
Use protective equipment appropriate for surrounding materials.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2 Environmental precautions:

Avoid spreading dust or contaminated materials. Do not allow to enter drains, sewers or watercourses.

6.3 Methods of containment and cleaning up:

Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Avoid dust formation.

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.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling:

Do not eat, drink or smoke when using the product. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a dry place. Store at temperature below 50°C. Flamable/combustable - keep away from oxidisers, heat and flames.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Name	STD	TWA – 8 Hrs		STEL – 15 Min		Notes
C.I. Pigment Black 11						

Ingredient Comments:
The UK HSE guidance note EH40, recommends adequate control of exposure to dusts and where there is no indication of the need for a lower value, personal exposure should be kept below:- 8h TWA 10 mg/m3 total inhalable dust. 8h TWA 4 mg/m3 respirable dust.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:
Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.
8.2.2 Individual protection measures:
General:
Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

Eye/face protection:
Wear dust resistant safety goggles where there is danger of eye contact.
Hand protection:
For prolonged or repeated skin contact use suitable protective gloves.
Body protection:
Wear appropriate clothing to prevent repeated or prolonged skin contact.
Respiratory protection:
No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:		Powder, dust
Physical state:		Solid
Colour:		Black
Odour:		Odourless
pH:		7 (Conc. Solution)
Melting point/range (°C):		Not applicable.
Boiling point/range (°C):		Not available.
Flash point (°C):		Not applicable.
Evaporation rate:		Not applicable.
Flammability (soild,gas):		Not applicable.
Ignition temperature (°C):		Not applicable.
Upper/lower flammability/explosive limits:		Not applicable.
Vapour pressure:	@ 20°C	Not applicable.
Vapour density:		Not applicable.
Relative Density (g cm^{-3})		3-5
Bulk Density		500-900 kg/m^3
Solubility:		Insoluble in water.
Auto-ignition temperature (°C):		Not applicable
Decomposition temperature (°C):		Not applicable.
Viscosity (mm^2 s^{-1}, cSt):	@ 25°C	Not applicable.

10 STABILITY AND REACTIVITY

10.1 Reactivity:

No specific reactivity hazards associated with this product.

10.2 Chemical stability:

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions:

Not relevant.

10.4 Conditions to avoid:

Avoid heat, flames and other sources of ignition. Avoid dust close to ignition sources.

10.5 Incompatible materials:

No incompatible groups noted.

10.3 Hazardous decomposition products:

None under normal conditions.

11 TOXICOLOGICAL INFORMATION

11.1 Toxicokinetics, metabolism and distribution:

Non-human toxicological data:
Not available.

11.2 Information on toxicological effects:

Acute toxicity:
LD50 (Oral, Rat): > 5000 mg/kg
Skin corrosion/irritation:
Powder may irritate skin.
Serious eye damage/irritation:
May cause irritation.

Respiratory or skin sensitization:
Repeated and prolonged inhalation of iron oxide fume has been reported to produce changes in lung X-Rays of exposed individuals. This condition, siderosis, is considered to be a benign pneumoconiosis that exhibits no adverse health effects. To the best of our knowledge, this condition has not been observed after prolonged exposure to iron oxide pigments.
Germ cell mutagenicity:
Not available.
Carcinogenicity:
Not available.
Reproductive toxicity:
Not available.
STOT- single exposure:
Not available.
STOT- repeated exposure:
Not available.
Aspiration hazard:
Not available.

12 ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

The product is not expected to be hazardous to the environment.

Acute Fish Toxicity:
Not considered toxic to fish.
LC 50, 96 Hrs, Fish mg/l >5000 mg/kg (oral rat)

12.2 Persistence and degradability:

The product is not readily biodegradable.

12.3 Bioaccumulative potential:

Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

12.4 Mobility:

The product is insoluble in water and will sediment in water systems.

12.5 Results of PBT and vPvB assessment:

This product does not contain any PBT or vPvB substances.

12.6 Other adverse effects:

None known.

13 DISPOSAL CONSIDERATIONS

Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13. 1 Waste treatment methods:

Recover and reclaim or recycle, if practical. Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

14.1 General:

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.2 UN-no:

Not classified.

14.3 Transport hazard class(es)

14.3.1 RID/ADR:
Not classified.
14.3.2 IMO:
Not classified.
14.3.3 IATA/ICAO:
Not classified.

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

15.1.1 UK Regulatory References:
Health and Safety at Work Act 1974.
15.1.2 Statutory Instruments:
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).
15.1.3 Approved Code of Practice:
Safety Data Sheets for substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.
15.1.4 Guidance Notes:
Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

15.1.5 EU Legislation:
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments
Commission Regulation (EC) 790/2009, 1st ATP of CLP.
Commission Regulation (EU) No 453/2010 on Safety Data Sheets.

15.2 Chemical safety assessment:

Chemical safety assessments for substances in this mixture were not carried out.

16 OTHER INFORMATION

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For any further information please contact **J. Allcock & Sons Ltd.**