

MATERIAL SAFETY DATA SHEET

CATHAY PIGMENTS

SUITE 701-6, NEW MANDARIN PLAZA
TOWER B,
14 SCIENCE MUSEUM ROAD,
TSIMSHATSUI EAST, KOWLOON,
HONG KONG.
TEL: 852-2721-2257



1. PRODUCT AND COMPANY INFORMATION

PRODUCT	IRON OXIDE BLACK
PRODUCT CODE	F9604, F9610, F9617, F9630, F9635, F9675, RAVEN BLACK
CHEMICAL NAME	IRON OXIDE
CHEMICAL FORMULA	Fe ₃ O ₄ , C
COLOUR INDEX NAME	PIGMENT BLACK 11, CARBON
COLOUR INDEX NUMBER	77499
CAS NUMBER	1317-61-9, 1333-86-4
SUPPLIER	CATHAY PIGMENTS (CHINA) LIMITED SUITE 701-706, NEW MANDARIN PLAZA, TOWER B, 14 SCIENCE MUSEUM ROAD, TSIMSHATSUI EAST, KOWLLON, HONG KONG TEL:852-2721-2257 FAX:852-2721-6614

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS#	% BY WEIGHT
IRON OXIDE	1317-61-9	25-99
CARBON BLACK (C)	1333-86-4	1-75

3. HAZARDS IDENTIFICATION

May be harmful if swallowed, inhaled or absorbed through skin.

See further information in

- Section 4 on First Aid Measures
- Section 5 on Fire-fighting Measures
- Section 10 on Stability and Reactivity
- Section 11 on Toxicological Information

4. FIRST AID MEASURES

IN CASE OF

- INHALATION: If inhaled, removed to fresh air. If not breathing, gives artificial respiration. If breathing is difficult, give oxygen
- SKIN CONTACT: Immediately wash skin with soap and water
- EYE CONTACT: Immediately wash eyes with large amount of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers

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INGESTION: Vomiting may be resulted if sufficient quantity is swallowed, seek medical assistance
IN ALL CASE: Consult a physician and wash/discard contaminated clothing after use. Never give anything by mouth to an unconscious person

5. FIRE FIGHTING MEASURES

FLASH POINT N/AP
DECOMPOSITION PRODUCTS None
APPROPRIATE EXTINGUISHING MEDIA Use appropriate extinguishing media for the combustible material involved in the fire

6. ACCIDENTAL RELEASE MEASURES

INDIVIDUAL PRECAUTIONS: Collect and seal in properly labeled containers for disposal.
ENVIRONMENT PRECAUTIONS: Disposal should be in accordance with local State or National legislation.
CLEANING METHODS: Vacuum or use wet clean-up techniques and place waste material in closed container.

7. HANDLING AND STORAGE CONDITIONS

HANDLING: Wear protective clothing. Avoid generating and inhaling dusts. If dust exists, wear approved dust mask and use with local exhaust. Wash thoroughly after handling. Clean/discard protection equipment after use. Do not get in eyes, on clothing.
STORAGE: Store in a dry, cool, ventilated place away from incompatible or dangerous products. Avoid damaging the packing. For general planning purposes allow a maximum storage period of 5 years from date of delivery.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION DATA

RESPIRATORY PROTECTION: Appropriate NIOSH/MSHA (or similar standard) approved respirator
EYES PROTECTION: Safety glasses or face shield
SKIN PROTECTION: Coveralls and rubber boots. Chemical resistant or heavy rubber gloves

9. PHYSICAL PROPERTIES AND CHEMICAL PROPERTIES

APPEARANCE Solid, Powder
COLOUR Black
ODOR Odorless
pH 3.0-8.0
BOILING POINT N/AP

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MELTING POINT	Above 1000°C
VAPOR PRESSURE	N/AP
SOLUBILITY IN WATER	Essentially Insoluble
SPECIFIC GRAVITY	5.2-5.5 gm/ml
BULK DENSITY	0.5-0.8 gm/ml

10. STABILITY AND REACTIVITY

CONDITION TO AVOID:	Material is stable
INCOMPATIBILITIES:	N/AP
DANGEROUS DECOMPOSITION PRODUCTS:	N/AP

11. TOXICOLOGICAL INFORMATION

CHRONIC EFFECTS OF EXPOSURE:	Prolonged inhalation of iron oxide dust is known to produce condition known as siderosis. On X-RAYS it appears to be a benign pneumoconiosis and is not associated with pulmonary fibrosis or disability unless there is concurrent exposure to other fibrosis-producing materials such as Silica. The TLV is set to protect against siderosis
ANIMAL TOXICITY DATA:	ORAL LD ₅₀ (Rat).....N/D DERMAL LD ₅₀ (Rabbit).....N/D INHALATION LC ₅₀ (Species).....N/D
CARCINOGENCITY:	This product is not considered as carcinogen by IARC, NTP, ACGIH or OSHA.

12. ECOLOGICAL INFORMATION

N/AV

13. DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL METHOD	Disposal method should be in accordance with local or national legislation
PACKING DISPOSAL METHOD	Used packing containing product residue should be disposed of in the same manner as the product
REMARKS	Please note that disposal methods may vary locally. The above mentioned disposal methods are provided for reference only. Consult with your local environmental protection dept. or waste management companies for further information.

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14. TRANSPORT INFORMATION

This product is not considered as dangerous cargo. However transportation regulations may vary locally. It is recommended to consult your local authorities for more information.

15. REGULATORY INFORMATION

Note that local regulations controlling the transportation, use, distribution storage and/ or processing of this product may vary. Consult your local authorities to establish which regulations apply to your operations.

16. REGULATORY INFORMATION

USES	Used in paints, plastics, rubber, cement and concrete products
ABBEVIATIONS	N/AV- Not Available
	N/AP-Not Applicable
	N/E- Not Established

The information presented herein is believed to be accurate and was obtained from sources believed to be reliable. However, the information is provided without any representation or warranty, expressed or implied, with respect to its accuracy or completeness. It is the users responsibility to determine the suitability of this product and the relevance of this information for their use. Cathay Pigments Group does not assume liability resulting from the use, handling, storage and disposal of this product.

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