



IRON OXIDE

MATERIAL SAFETY DATA SHEET

1 IDENTIFICATION OF THE PRODUCT AND THE COMPANY

1.1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION:

Trade Name: Iron oxide

1.2 USE OF THE SUBSTANCE OR PREPARATION

Iron oxide is a pigment product. It is using to prepare air drying enamel paint, plastic, rubber, dry dispersions, water base dispersion, flexy graphic inks and many other applications.

1.3 IDENTIFICATION OF THE COMPANY:

INMAA INTERNATIONAL

P.O. Box: 44220, Jeddah 21581 Saudi Arabia

Tel: +966 12 22 12345 Email: info@inmaa.sa Website: www.inmaa.sa

2 CHEMICAL COMPOSITION OF IRON OXIDE

Color Index Name: Iron oxide

CAS No: 2580-66-0

3 HAZARD IDENTIFICATION

- No hazardous effects known.
- The product is not a substance subject to mandatory marking in accordance with EEC Directive 67/548/EEC or amendments.

4 FIRST AID MEASURES

After inhalation:

Supply fresh air.

After eye contact:

Flush with plenty of water for 15 mins, occasionally raising eyelids.

After skin contact:

Wash skin with mild soap and water.

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5 FIRE-FIGHTING MEASURES

Suitable extinguishing media:

No restriction

Special hazards caused by the material, its

Combustion products or resultants gases:

None

Special personal protective Equipment:

None

6 ACCIDENTAL RELEASE MEASURES

Environmental protection conduct:

Do not sweep or wash in public stretches of water, sewers or suites of unknown discharge

After spillage / leakage:

Clean up immediately with wetting or absorbent material avoiding dusting.

7 HANDLING AND STORAGE

Handling:

Protection against:

Usual precautions for nuisance dust should be observed. Keep away from sources of ignition-No smoking. Risk of dust explosion.

Fire & explosion Storage:

Store in roofed places at room temperature. Keep sealed.

Flammability:

Not applicable.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional notes for design of plant equipment:

No further details See section 7

Components with workplace related limits to be monitored

Designation %	Type of Data	Unit
Nuisance dust 100	MAK 6	mg/m ³
	TLV / TWA 10	mg/m ³

Personal Protection Equipment Respiratory protection: An appropriate dust filter has to be used should a breathable dust occur.

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9 PHYSICAL AND CHEMICAL PROPERTIES Form:

Form:	Powder		
Odor:	Odorless		
Change in physical state:	Value / Area	Unit	Method
Thermal Decomposition:	> 400	°C	
Auto ignition Temperature:	N/A	°C	
Flammable properties:	The product is not flammable		
Explosion risks:	Risk of formation of explosive pigment dust / air mixture		
Explosion Limits	Lower	N/A	
	Upper	N/A	
Vapour pressure:	N/A	mbar	
Density:	0.25 to 0.35 (20°C)	g/cm ³	DIN/ISO 787 Part 10
Soluble in water:	Insoluble (20°C)	g/l	DIN/ISO 787 Part 8
PH Value:	5 - 8.5 (20°C)		DIN/ISO 787 Part 9

10 STABILITY AND REACTIVITY

Hazardous decomposition:

No decomposition if used and stored according to specification.

11 TOXICOLOGICAL INFORMATION

The product is non-toxic. LD50/LC50 values relevant for classification: LD50 oral/rat > 5000mg / kg

Primary irritation

SKIN:

Non irritant (rabbit)

EYE:

Non irritant (rabbit)

12 ECOLOGICAL INFORMATION

AQUATIC TOXICITY:

This product is insoluble in water therefore unlikely to be harmful to aquatic organism.

PERSISTENCE AND BIODEGRADABILITY:

Not Available

EFFECT ON EFFLUENT TREATMENT:

Not Available

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13 DISPOSAL CONSIDERATION

PRODUCT:

Disperse in accordance with federal, state and local regulation.

Waste code:

55514 (Germany)

Check re-use as alternative.

Contaminated packages and containers emptied but contaminated packages and containers may be recycled.

14 TRANSPORT INFORMATION

No declaration for transport required.

15 REGULATORY INFORMATION

HAZARDOUS SUBSTANCE(S) IN THE PRODUCT

HAZARDOUS SYMBOL(S)

OTHER REGULATORY

- Not subject to labeling

- The product is not a substance subject to mandatory marking in accordance with EEC Directive 67/548/EEC or amendments

16 OTHER INFORMATION

The information contained herein is based on the present state of our knowledge, but without liability.

