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MATERIAL SAFETY DATA SHEET

COLOURMIX METAL OXIDE PIGMENTS

U.N. No. :	Non allocated	HAZCHEM :	Non allocated
PACKAGING GROUP :	Non allocated	POISON GROUP :	Non allocated

Risk Assessment Statement

**Not considered hazardous according to Worksafe Australia criteria.
Recommended as an unopened additive to pre-mix concrete.**

IDENTIFICATION & PHYSICAL DATA

PRODUCT : Metal Oxide Pigments

OTHER NAME : Cobalt Oxide, Chrome Oxide, Titanium Dioxide, Red Iron Oxide, Yellow Iron Oxide, Marigold Iron Oxide, Sandstone Iron Oxide, Brown Iron Oxide, Black Iron Oxide. For a full list of colour names see the Colourmix Colour Chart or visit the website

MOLECULAR FORMULA : Fe_2O_3 , $FeOOH$, Fe_3O_4 , CoCrAl Spinel, Cr_2O_3 , TiO_2 , $CaCO_3$
See Material Information Sheets for further details

PRINCIPAL USES : Pigment used for colouring Concrete.

PHYSICAL PROPERTIES : Fine coloured, odourless powder. Insoluble in water. Soluble in acids. Colour changes can occur due to thermal decomposition where temperatures exceed 120°C For specific physical data refer to Material Information Sheet for Colourmix Pigments.

PRECAUTION FOR USE

EXPOSURE LIMITS : Not applicable when product used as directed
However should the bags/packets be opened the following applies.
No value assigned for this specific material by the National Occupational Health and Safety Commission (Worksafe Australia).
However, threshold limit value for iron dusts and compounds is 5 mg/cm³ (TWA).

VENTILATION : Not applicable.

PERSONAL PROTECTION : Wear overalls, safety glasses and impervious gloves only to keep clean from the very small amount of pigment which may be on the surface of the packaging. Recommended also when cleaning up any spillage as a result of broken or damaged packaging.

FLAMMABILITY : Not combustible.

SAFE HANDLING INFORMATION

STORAGE & TRANSPORT	:	<i>Not defined as a dangerous good by the Australian Code for the Transport of Dangerous Goods by Road and Rail. No special precaution required.</i>
SPILLS	:	<i>Sweep up carefully so as not to create dust clouds. Collect and seal in properly labelled drums for disposal. Wash area down with water.</i>
DISPOSAL	:	<i>Consult your local waste management authority for advice regarding disposal.</i>
FIRE/EXPLOSION HAZARD	:	<i>Not combustible. No hazardous decomposition products</i>

HEALTH HAZARD INFORMATION

HEALTH EFFECTS	:	<i>Short term exposure by all routes is considered to be practically non-harmful.</i>
FIRST AID		
Swallowed	:	<i>Vomiting may result if sufficient quantity is swallowed, seek medical assistance. If swallowed, firstly rinse out mouth with water then drink water to dilute. Seek medical advice.</i>
Inhalation	:	<i>Inhalation of dust may cause dryness of throat and bitter taste. It may also result in respiratory irritation and coughing. Move victim to fresh air. Loosen clothing and rest victim comfortably and warm. Seek medical attention if necessary.</i>
Skin	:	<i>Generally regarded as non irritant, however, mild dermatitis may occur. Wash contaminated skin with soap and water. Remove contaminated clothing and wash before reusing.</i>
Advice to doctor	:	<i>Treat symptomatically.</i>
		<i>Toxicity: No relevant LD50 data available. Metal oxide dust exposed to lab animals has been shown to remain in the lungs but did not result in the development of lung cancer.</i>

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