

Safety Data Sheet according to WHS Regulations

Printing date 30.10.2023

Version number 1

Revision: 30.10.2023

Not classified as hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

Product identifier

Trade name: COLOURMIX METAL OXIDE PIGMENTS

Chemical Name: Blend of Inorganic pigments with fillers

Article number: COLOURMIX

Use of the product Inorganic pigment used as a colorant in industrial applications.

Uses advised against

Can not be used at all: In food, pharmaceutical, cosmetic products and not to be in direct or indirect contact with food under any circumstances.

Colouring agent for articles and materials with intended use in toys.

Details of the supplier of the safety data sheet

Supplier:

OXERRA AUSTRALASIA Pty
103 Vanessa Street Kingsgrove, NSW Australia 2208

Manufacturer:

OXERRA Hong Kong Limited
Suite 901A, 9/F, ChinaChem Golden Plaza
77th Mody Road, Tsimatshui East, Kowloon
Hong Kong SAR
(P.R.CHINA)

Information department: sds.management@oxerra.com

Information department:

Emergency Telephone of OXERRA AUSTRALASIA Pty : (+61) 2 9336 1000
Telephone of Poisons Information Center (Australia) : +61 13 11 26

2 Hazard(s) Identification

Classification of the substance or mixture

The product is not classified, according to the Globally Harmonised System (GHS).

Label elements

Hazard pictograms Void

Signal word Void

Hazard statements Void

Classification system:

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition and Information on Ingredients

Chemical characterisation:

Non dangerous ingredients

CAS: 51274-00-1	Iron hydroxide oxide yellow
RTECS: NO7400000	
CAS: 1309-37-1	Di-iron trioxide
RTECS: NO7400000	
CAS: 1317-61-9	Tri-iron tetraoxide
RTECS: NO7400000	
CAS: 1308-38-9	Chromium (III) oxide
RTECS: GB 6475000	
CAS: 1345-16-0	Cobalt aluminate blue spinel

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CAS: 68187-11-1 Cobalt chromite blue green spinel
CAS: 471-34-1 calcium carbonate
RTECS: EV 9580000
CAS: 13463-67-7 titanium dioxide
Index number: 022-006-00-2
RTECS: XR2275000

Dangerous ingredients: Void**Additional information:**

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

General information: Remove severely contaminated clothing and clean before reuse.

After inhalation:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

Get medical attention if symptoms occur.

After skin contact:

Gently wash with plenty of soap and water.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse mouth with water, give subject liquids to drink and do not induce vomiting.

Never give anything by mouth to an unconscious person.

If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

If symptoms persist consult doctor.

Information for doctor:**Most important symptoms and effects, both acute and delayed**

See Section 11 for more detailed information on health effects and symptoms.

In case of inhalation:

No adverse effects are anticipated from single exposure to dust.

Prolonged inhalation of dust may cause chronic respiratory irritation.

In case of skin contact: May cause mechanical irritation (abrasion).

In case of eye contact: May irritate the eyes by mechanical effect.

In case of ingestion: Ingestion may cause gastrointestinal disturbances.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Protection of first-aiders: No special measures required.

5 Fire Fighting Measures

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

Special hazards arising from the substance or mixture

Not considered flammable but packaging, i.e. paper bags, wooden pallets, and plastic wrap will burn.

Advice for firefighters

No action shall be taken involving any personal risk or without suitable training.

Move containers from fire area if this can be done without risk.

Protective equipment:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Wear fully protective suit.

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Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation
Avoid formation of dust.
Put on appropriate personal protective equipment (see Section 8).
Keep away unnecessary and unprotected personnel.
Hazard of slipping on spilt product.

Environmental precautions:

Prevent seepage into sewage system, workpits and cellars.
Keep contaminated washing water and dispose of appropriately.
Even at low concentration, the product renders the discharge in liquid effluent highly visible.

Methods and material for containment and cleaning up:**Small spill :**

Ensure adequate ventilation.
Stop leak if without risk.
Sweep up and shovel.
Pick up and arrange disposal without creating dust.
Dispose of via a licensed waste disposal contractor.

Large spill:

Ensure adequate ventilation.
Avoid creating dusty conditions and prevent wind dispersal.
Stop leak if without risk.
Sweep up and shovel.
Pick up and arrange disposal without creating dust.
Move containers from spill area.
Clean the affected area carefully; suitable cleaners are:
Warm water and cleansing agent
Dispose of via a licensed waste disposal contractor.

Reference to other sections

See Section 1 for emergency contact information.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and Storage

Handling:**Precautions for safe handling**

Open and handle receptacle with care.
Prevent formation of dust.
Provide suction extractors if dust is formed.
Ensure good ventilation/exhaustion at the workplace.
Any unavoidable deposit of dust must be regularly removed.

Information about fire - and explosion protection:

The product is not flammable.
Plastic wrap from palletized packages may bear significant static charge which can cause flash fire if near combustibles.

Storage: Store in accordance with local regulations.

Requirements to be met by storerooms and receptacles:

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Do not store in unlabelled containers.
Pigments should not be stored in outside areas exposed to the weather.

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Keep in the original container or an approved alternative made from a compatible material.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from incompatible materials (see section 10).

Further information about storage conditions:

Protect against physical damage.

Kept container tightly closed when not in use.

Maintain air gap between stacks/pallets.

Recommended storage temperature: < 90°F

Storage duration (months) : 60

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

No further relevant information available.

8 Exposure controls and personal protection

Recommended monitoring procedures :

If this product contains ingredients with exposure limits, personal, monitoring procedures may be necessary to determine the effectiveness of ventilation or other control measures and/or the need for respiratory protective equipment.

Additional information about design of technical facilities:

Local mechanical ventilation may be required.

Ingredients with limit values that require monitoring at the workplace:**CAS: 1309-37-1 Di-iron trioxide**

WES Long-term value: 5 mg/m³

CAS: 1308-38-9 Chromium (III) oxide

WES Long-term value: 0.5 mg/m³
as Cr

Cobalt and its compounds

WES Long-term value: 0.05 mg/m³
Sen

CAS: 471-34-1 calcium carbonate

WES Long-term value: 10 mg/m³
inhalable dust

CAS: 13463-67-7 titanium dioxide

WES Long-term value: 10 mg/m³
inhalable dust

Chromium and its compounds

WES Long-term value: 0.5 mg/m³

Ingredients with biological limit values:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

Personal protective equipment:**General protective and hygienic measures:**

Handle in accordance with good industrial hygiene and safety practice.

Ensure that proper housekeeping measures are in place.

Wash hands before breaks and at the end of work.

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

Do not inhale dust.

Vacuum clean contaminated clothing. Do not blow or brush off contamination.

Do not carry product impregnated cleaning cloths in trouser pockets.

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Ensure that washing facilities are available at the work place.
Wash contaminated clothing before reusing.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.
Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.



Dust-protection mask.

Particle filter with high efficiency for solid and liquid particles, use Type P3 (AS/NZS 1715) cartridges.
Use respirators and components tested and approved under appropriate government standards.

Protection of hands:

Protective gloves, according to AS/NZS 1715.

Wash and dry hands.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Use equipment for hand protection tested and approved under appropriate government standards such as AS2161.

Material of gloves

No special glove composition is required.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

Minimum breakthrough time / gloves : > 480 min

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Use safety glasses with side-shields or goggles to protect against airborne dust.

Wear face shield if splashing hazard exists.

Use equipment for eye protection tested and approved under appropriate government standards such as AS1336 and AS/NZS 1337.

Limitation and supervision of exposure into the environment

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9 Physical and Chemical Properties

General Information**Appearance:**

Form: Powder
Colour: According to product specification
Odour: Odourless

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Change in condition**Melting point/freezing point:** >1000 °C (>1,832 °F)**Flash point:** Not applicable.**Flammability (solid, gas):** The product is not flammable.**Decomposition temperature:** Not determined.**Ignition temperature:** Product is not selfigniting.**Explosive properties:** The product does not present an explosion hazard.**Upper:****Oxidising properties:** No oxidising properties.**Vapour pressure:** The product is a non-volatile solid.**Specific gravity :****Vapour density:** The product is a non-volatile solid.**Evaporation rate** The product is a non-volatile solid.**Solubility in / Miscibility with water:**

Insoluble.

organic solvents: Insoluble.**Viscosity:****Dynamic:** Not applicable due to the nature of the product (solid).**Kinematic:** Not applicable due to the nature of the product (solid).**Other information** No further relevant information available.

10 Stability and Reactivity

Reactivity No hazardous reactions if stored and handled as prescribed/indicated.**Chemical stability**

Stable at room temperature in closed containers under normal storage and handling conditions.

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

Possibility of hazardous reactions Reacts with strong acids and oxidising agents.**Conditions to avoid**

Situations which cause dusting.

Exposure to air and excess heat.

Incompatible materials.

Incompatible materials: Avoid contact with strong acids and strong oxidizers.**Hazardous decomposition products:** No dangerous decomposition products known.**Additional information:** Hazardous Polymerization has not been reported.

11 Toxicological Information

Information on toxicological effects**Acute toxicity** Based on available data, the classification criteria are not met.**Repeated dose toxicity :** Based on available data, the classification criteria are not met.**Irritation / Corrosion :** Based on available data, the classification criteria are not met.**Sensitisation :** Based on available data, the classification criteria are not met.**Carcinogenicity :** Based on available data, the classification criteria are not met.**Genetic toxicity :** Based on available data, the classification criteria are not met.**Toxicity to reproduction:** Based on available data, the classification criteria are not met.**Teratogenicity :** Based on available data, the classification criteria are not met.**Neurotoxicity :** No data available.**Primary routes of exposure:**

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact.

However, ingestion is not likely to be a primary route of occupational exposure.

Potential health effects : Health injuries are not known or expected under normal use.**Inhalation :** No adverse effects are anticipated from single exposure to dust.**Ingestion :** Ingestion may cause gastrointestinal disturbances.

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Skin : Not known significant effects or critical hazards.**Skin corrosion/irritation** May cause mechanical irritation (abrasion).**Serious eye damage/irritation**

Solid or dust may cause irritation or corneal injury due to mechanical action.

By inhalation: Dust may cause irritation to the respiratory tract.**Respiratory or skin sensitisation**

This product is not expected to cause sensitising effect through inhalation.

This product is not expected to cause skin sensitization.

Germ cell mutagenicity Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**Subacute to chronic toxicity:**

Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

12 Ecological Information

Aquatic toxicity:

Based on the high insolubility of the product under environmental conditions, no reversible or irreversible adverse toxicological effects on aquatic or terrestrial organisms are expected.

Short-term toxicity : Based on available data, the classification criteria are not met.**Long-term toxicity** : Based on available data, the classification criteria are not met.**Sediment toxicity** : Based on available data, the classification criteria are not met.**Terrestrial toxicity :****Toxicity to terrestrial plants** : No data available.**Toxicity to terrestrial arthropods** : No data available.**Toxicity to soil microorganisms** : Based on available data, the classification criteria are not met.**Toxicity to soil macroorganisms except arthropods:** No data available.**Toxicity to birds** : No data available.**Persistence and degradability** Based on previous experience, this product is inert and non-degradable.**Behaviour in environmental systems:****Bioaccumulative potential**

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

Mobility in soil Insoluble. Expected to remain on soil surface.**Ecotoxicological effects:****Remark:**

The product does not contain heavy metals in concentrations of concern for waste water.

The product does not contain phosphates or organophosphorus compounds.

The product does not release nitrogen which can contribute to eutrophication.

Remark:

Incidental down-the-drain disposal of small quantities of product will not affect the performance of wastewater treatment systems.

The colourant is insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plant.

Additional ecological information:**General notes:**

The product may not be released into the environment without control.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.

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13 Disposal considerations

Waste treatment methods

Recommendation

Dispose of in accordance with local, state, and federal regulations.

Any disposal practice must be in compliance with all local and national laws and regulations. Do not dump into any sewers, on the ground, or into any body of water.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Incineration or landfill should only be considered when recycling is not feasible.

Hazardous waste :

Within the present knowledge of the supplier, this product is not regarded as hazardous waste.

Waste disposal key:

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. Waste codes should be assigned by the user based on the application for which the product was used.

Uncleaned packaging:

Recommendation:

Dispose of packaging according to regulations on the disposal of packagings.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

Paper bags may be incinerated or disposed of in an appropriate landfill in accordance with national and local laws.

The generation of waste should be avoided or minimized wherever possible.

Special precautions:

Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

14 Transport information

UN-Number

ADG, IMDG, IATA Void

UN proper shipping name

ADG, IMDG, IATA Void

Transport hazard class(es)

ADG, ADN, IMDG, IATA

Class Void

Packing group

ADG, IMDG, IATA Void

Environmental hazards: Not applicable.

Special precautions for user Not applicable.

Transport in bulk according to Annex II of

Marpol and the IBC Code Not applicable.

Transport/Additional information: Keep separated from foodstuffs.

UN "Model Regulation": Void

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture Australian Inventory of Industrial Chemicals

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons

None of the ingredients is listed.

Australia: Priority Existing Chemicals

None of the ingredients is listed.

Hazard pictograms Void

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Signal word Void

Hazard statements Void

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS: EHS Department.

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EC50 : Maximal effective concentration, 50 percent

NOEC : No Observed Effect Concentration