

Safety Data Sheet according to WHS Regulations

Printing date 27.04.2024

Version number 8

Revision: 27.04.2024

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

* 1 Identification

Product identifier

Trade name: CATHAYPURE™ YELLOW COLOURS "E" SERIES

Chemical Name: Yellow Iron Oxide.

Article number: Y/2220/2220-1/2230/2230-1/2230-2/2230F/2230M

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

Details of the supplier of the safety data sheet

Supplier:

OXERRA AUSTRALASIA Pty
103 Vanessa Street Kingsgrove, NSW Australia 2208

Manufacturer:

OXERRA Asia - Pacific Pte. Limited
No. 1, Zhuqiao East Road, Economic and Technological Development Area, Yixing City, Jiangsu Province,
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

<90-100%

RTECS: NO7400000

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.

After skin contact:

Gently wash with plenty of soap and water.

In the event of any complaints or symptoms, avoid further exposure.

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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: Not known significant effects or critical hazards.

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

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.

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.

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.

Do not allow product to reach sewage system or any water course.

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.

Pick up and arrange disposal without creating dust.

Sweep up and shovel.

Dispose of via a licensed waste disposal contractor.

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Large spill:

Ensure adequate ventilation.
Avoid creating dusty conditions and prevent wind dispersal.
Stop leak if without risk.
Pick up and arrange disposal without creating dust.
Sweep up and shovel.
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 11 for additional information on health hazards.
See Section 12 for additional information on ecological hazards.
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:

Pigments should not be stored in outside areas exposed to the weather.
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Do not store in unlabelled containers.
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 incompatible materials (see section 10).

Further information about storage conditions:

Protect against physical damage.
Kept container tightly closed when not in use.

Recommended storage temperature: < 100°F

Storage duration (months) : 60

Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

*** 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:

Mechanical ventilation may be required to maintain exposure levels below limits.

Ingredients with limit values that require monitoring at the workplace:

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

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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.

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

Wash hands before breaks and at the end of work.

Do not inhale dust.

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

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 safety masks are recommended when the dust concentration is more than 10 mg/m³.

For nuisance exposures use Class P1 (AS/NZS 1715) particle respirator.

For higher level protection use Class P2 (AS/NZS 1715) respirator cartridges.

Use respirators and components tested and approved under appropriate government standards such as AS/NSZ.

Protection of hands:

Gloves impervious to dust.

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.

Penetration time of glove material

Minimum breakthrough time / gloves : > 480 min

The exact break trough 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.

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

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Body protection:



Protective work clothing

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: Dark yellow
Odour: Odourless

pH-value (100 g/l) at 25 °C (77 °F): 5.0 - 7.0 (ISO 787-9)

Change in condition

Melting point/freezing point: > 1000 °C (> 1,832 °F)

Flash point: Not applicable.

Flammability (solid, gas): The product is not flammable.

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 at 20 °C (68 °F): 4.1 g/cm³ (34.21 lbs/gal) (ISO 787-10)

Bulk density at 20 °C (68 °F): 400 kg/m³ (ISO 787-11)

Relative density: Not determined.

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 No decomposition if used and stored according to specifications.

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid

Excess heat.

Situations which cause dusting.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

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* 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 : No data available.

Genetic toxicity : Based on available data, the classification criteria are not met.

Toxicity to reproduction: No data available.

Teratogenicity : No data available.

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 : Not known significant effects or critical hazards.

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 skin sensitization.

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

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:

Prolonged inhalation of iron oxide dust is known to produce condition given as siderosis. On X-rays it appears to be pneumoconiosis and it is not associated with pulmonary fibrosis or disability unless there is concurrent exposure to other fibrosis-producing materials such as silica.

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

Toxicokinetics, metabolism and distribution

Absorption and bioavailability is very limited due to low solubility in aqueous and organic solvents.

* 12 Ecological Information

Aquatic toxicity:

Based on the high insolubility of the pigment 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 : No data available.

Sediment toxicity : No data available.

Terrestrial toxicity :

Toxicity to terrestrial plants : No data available.

Toxicity to terrestrial arthropods : No data available.

Toxicity to soil microorganisms : No data available.

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.

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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 release nitrogen which can contribute to eutrophication.

The product does not contain phosphates or organophosphorus compounds.

Remark:

The product is easily removable from water by physico-chemical processes.

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.*** 13 Disposal considerations****Waste treatment methods****Recommendation**

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.

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

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

Contact waste processors for recycling information.

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.

Disposal should be made in accordance with national, state and local regulations.

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.

Packaging may be reused or recycled after cleaning.

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, ADN, IMDG, IATA** Void**UN proper shipping name****ADG** Void**ADN, IMDG, IATA** Void**Transport hazard class(es)****ADG, ADN, IMDG, IATA****Class** Void**Packing group****ADG, IMDG, IATA** Void

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Environmental hazards:

Marine pollutant:	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
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**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

*** Data compared to the previous version altered.**