

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Date of issue : 29.12.2024 – Version : EU\_EN/2 – Print date : February 2025

## Material Safety Data Sheet

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Product Identifier

Trade name : Yellow Orange Iron Oxide IROXYEOR-81002

Relevant identified uses of the substance  
or mixture and uses advised against : colouring agent

Uses advised against : not known

Details of the supplier of the safety  
data sheet

Supplier Pierre-Marie Montréal

### 2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture Product definition : Mixture  
Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] : not classified

#### 2.2 Label elements

Hazard pictograms : not classified

Signal word : not applicable.

Hazard statements : not applicable.

#### Precautionary statements

Prevention : not applicable.

Response : not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Special packaging requirements : Not applicable.

#### 2.3 Other hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do not result in classification : None known.

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### 3.COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family : Iron Oxide Yellow . Contains no hazardous ingredients

Common chemical name	CAS No.	EINECS No.	Colour Index	Chemical composition	ClassificationNo	Specific Conc. Limits, M-factors and ATEs
Iron Oxide Yellow	20344-49-4	243-746-4	77492	97-100	Not classified	-

There are no additional ingredients present which, within the current knowledge and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

### 4. FIRST AID MEASURES

#### Description of first aid measures

Inhalation: in case of accident by inhalation : remove causality to fresh air and keep at rest  
 Skin contact : wash affected skin with plenty of water  
 Eye contact : if contact with eyes directly, flush with gently flowing fresh water thoroughly; If eye irritation persists, get medical advice/attention  
 Ingestion : if ingested, wash out mouth with water, drink milk or egg white  
 Notes to physician : no special measures are required

#### Most important systems and effects,

Both acute and delayed  
 Actue : none  
 Long term (repeated) : may cause irritation to the respiratory system. Cough. Increased difficulty in breathing

#### Indication of immediate medical attention and special treatment needed

Recommended :a. Chest XRay  
 b. Lung functionality tests

### 5. FIREFIGHTING MEASURES

#### Extinguishing media

Suitable extinguishing media : extinguish with waterspray, foam or dry chemical

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Unsuitable extinguishing media : carbon dioxide **Special hazards arising from the substance or mixture**  
Thermal hazards : noncombustible. None anticipated  
Advice for firefighters : fire fighters should wear complete protective clothing including selfcontained breathing apparatus

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Personal precautions : do not breathe dust  
Personal protection equipment : wear appropriate personal protective equipment, avoid direct contact  
In case of emergency : a self contained breathing apparatus and suitable protective clothing should be worn in fire conditions

Environmental precautions : do not allow to enter drains, sewers or watercourses

Methods and material for

Containment and cleaning up : collect mechanically and dispose of according to Section 13. Use vacuum equipment for collecting spilt materials, where practicable

Reference to other sections : see sections 8 and 13

## 7. HANDLING AND STORAGE

Precautions for safe handling : avoid breathing dust

Conditions for safe storage

including any incompatibilities : keep container in a wellventilated place

Specific end use(s) : not known

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters : provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures

Exposure limit values : not known

### Exposure controls

Appropriate engineering controls : provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. Isolate the dispersive process step away from other operations. This can be achieved by local exhaust ventilation or general ventilation

### Individual protections measures, such as personal protective equipment(PPE)

Hand/eye/face protection : wear gloves, eye protection and an approved dust mask if dust is generated during handling. Goggles giving complete protection to eyes. Dust mask covering nose and mouth

Skin protection : apron or other light protective clothing, boots and plastic or synthetic rubber gloves

Respiratory protection : dust mask covering nose and mouth

Thermal hazards : none

Environmental exposure controls : avoid dust generation. Avoid accumulation of dust

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: powder
Colour	: Yellow
Odour	: odourless
Boiling point, ° C	: not applicable
Melting point, ° C	: no data
Freezing point, ° C	: not applicable
Density	: 4.0 g/ml
Bulk density	: 0.3-0.5 g/ml
Vapour pressure	: not applicable
Solubility	: insoluble
Primary particle size	: 0.1*0.8 micron

#### 10. STABILITY AND REACTIVITY

Reactivity	: there may be violent or incandescent reaction of the product with metals at high temperatures (e.g., aluminium; calcium; magnesium; potassium; sodium; zinc; lithium)
Chemical stability	: stable under normal conditions
Possibility of hazardous reactions	: none
Conditions to avoid	: high temperature
Incompatible materials	: strongly acidic, strongly alkaline, oxidizing agents
Decomposition products	: no information available

#### 11. TOXICOLOGICAL INFORMATION

##### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

There are no data available on the mixture itself. Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]. See Sections 2 and 3 for details.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Coating powders can cause localized skin irritation in folds of the skin or under tight clothing.

Acute toxicity : No data available

Acute toxicity estimates

Route	ATE value

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Oral Inhalation (vapors)	No data available No data available
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Irritation/Corrosion :No data available  
 Sensitization :No data available  
 Mutagenicity :No data available  
 Carcinogenicity :No data available  
 Reproductive toxicity :No data available  
 Teratogenicity :No data available

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
No data available			

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
No data available			

Aspiration hazard

Product/ingredient name	Result
No data available	

11.2 Information on other hazards

Endocrine disrupting properties :Not available.  
 Other information :Not available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

There are no data available on the mixture itself.

Coating powder residues should not be allowed to enter drains or watercourses or be deposited where they could affect ground or surface waters.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

No data available

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
No data available				

Conclusion/Summary : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability

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No data available			
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12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
No data available			

12.4 Mobility in soil

Soil/water partition : Not available.

coefficient ( $K_{oc}$ )

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

This mixture does not contain any substances that are assessed as having endocrine disrupting properties

12.7 Other adverse effects

No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods : dispose of contents in accordance with local, state or national legislation

14. TRANSPORT INFORMATION

Not classed as dangerous for transport.

International Transport Regulations	ADR/RID	ADN	IMDG	ICAO/IATA
UN number	Not applicable	Not applicable	Not applicable	Not applicable
Proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable	Not applicable
Environmental hazards	None	None	None	None
Special precautions for user	None	None	None	None
Transport in bulk according to Annex II of MARPOL73/78 and The IBC Code	Not applicable	Not applicable	Not applicable	Not applicable
Hazard label(s)	Not applicable			
Additional information	Custom tariff No. 32061900			

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Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Maritime transport in : Not applicable.

bulk according to IMO instruments Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

#### 15. REGULATORY INFORMATION

According to Directive 67/548/EEC & Directive 1999/45/EC : not classified as dangerous for supply/use  
Safety, health and environmental regulations/legislations specific for the substance or mixture :not available

#### 16. OTHER INFORMATION

Annex to the extended Safety Data Sheet (eSDS)  
ADR : European Agreement concerning international carriage of Dangerous goods by Road  
CAS : Chemical Abstracts Service  
EC : European Community  
ICAO : International Civil Aviation Organization  
IMDG : International Maritime Dangerous Goods  
IATA : International Air Transport Association

#### DATA SOURCES

NPIRI Raw Material Handbook, Volume 4, Pigments, Second Edition, 2001  
Book on "Safe Handling of Pigments", European Edition 1995, BCMA, EPSOM ETAD, VdMi  
HSDB  
NIOSH ICSC  
Hazardous Substance Fact Sheet, New Jersey Department of Health and Senior Service

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We have described our product concerning possible safety requirements by the abovementioned information given to the best of our knowledge and experience. All data given are never meant to guarantee any quality description nor product properties

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