

Material Safety Data Sheet

1. IDENTIFICATION OF THE PRODUCT

PRODUCT

Product name : Mica, Green Turquoise - MGREETURQ-26060
 Product form : Powder
 Use of the product : Colouring agent
 Distributor : Pierre-Marie Montréal
 Web site: : www.pierre-marie.ca

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

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 : not applicable
 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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name Product	CAS No.	EINECS No.	Colour Index	Chemical Composition
Mica	12001-26-2	310-127-6	77019	44-48
Titanium dioxide	13463-67-7	236-675-5	77891	52-56
Iron Oxide	1309-37-1	215-168-2	77491	0-1
Chromium green oxide	1308-38-9	215-160-9	77288	0-1

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 by accident:	: 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

Acute

:none

Long term (repeated)

: May cause irritation to the respiratory system, cough, increase difficulty breathing

Indication of immediate medical attention and special treatment needed

Recommended

: a. Doctor consultation, Chest Xray

: b. Lung function test

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Extinguish with water spray, foam or dry chemical

Unsuitable extinguishing media : Carbon dioxide

Special hazards arising from the substance or mixture

Thermal hazards : Non combustible. None anticipate. Material itself does not burn

Advice for firefighters : Fire fighters should wear complete protective clothing including self contained 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 Storage conditions in complete safety.
The material can be slippery when wet

Storage condition : Keep in tightly closed container in one. cool, dry and well ventilated 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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Powder
Colour : Green Turquoise
Odour : Odourless
pH : 6.0-9.0 (4% H₂O)
Boiling point, ° C : Not applicable
Melting point, ° C : Decomposes
Freezing point, ° C : Not applicable
Density : 3.0-3.1 kg/L
Bulk density : 24-28g/100ml
Vapour pressure : Not applicable
Solubility (in water) : Insoluble
Particle size : 10-60µm

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

<u>Route</u>	<u>ATE value</u>
<u>Oral</u>	<u>No data available</u>
<u>Inhalation (vapors)</u>	<u>No data available</u>

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)	No data available
Specific target organ toxicity (repeated exposure)	No data available
Aspiration hazard	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 : No data available

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential : No data available

12.4 Mobility in soil

Soil/water partition : Not available

coefficient (Koc)

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			

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 : 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

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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