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# **Safety Data Sheet**

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

#### **Product Identifier**

Trade name : Blue Mica

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 Manufacturer:

### 2. HAZARD IDENTIFICATION

#### Classification of the substance or mixture

According to Regulation (EC) No.

1272/2008(CLP) : not classified

According to Directive 67/548/EEC &

Directive 1999/45/EC : not classified
Additional information : not available

**Label elements** 

GHS label elements : not applicable
Hazard pictogram(s) : not applicable
Signal word(s) : not applicable
Hazard statement(s) : not applicable
Precautionary statement(s) : not applicable
Other hazards : not known

## 3.COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family: mica - titanium oxide-ferric ferrocyanide - tin dioxide. Contains no hazardous ingredients



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Common chemical	CAS No.	EINECS No.	Colour Index	Chemical composition	Hazard classification	
name					According to directive	
					67/548/EEC & Directive	
					1999/45/EC, Regulation (EC)	
					No. 1272/2008(CLP)	
Mica	12001-26-2	310-127-6	77019	29-39	Not classified	
Titanium dioxide	13463-67-7	236-675-5	77891	53-58	Not classified	
Ferric ferrocyanide	14038-43-8	2378755	77510	8-12	Not classified	
Tin dioxide	18282-10-5	242-159-0	77861	0-1	Not classified	
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 medicaladvice/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

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

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#### 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 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

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : powder
Colour : Blue
Odour : odourless

pH : 6.0-9.0 (4% H2O)
Boiling point, ° C : not applicable
Melting point, ° C : decomposes
Freezing point, ° C : not applicable

Oil absorption (g/100g) :  $90 \pm 20$ 

Density : 2.50-3.40 (g/cm3)

Bulk density : 0.20-0.40 (g/cm3)

Vapour pressure : not applicable

Solubility (in water) : insoluble

Particle size : 10-60um

#### 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

## Information on toxicological effects

International Transport Regulations	ADR/RID	ADN	IMDG	ICAO/IATA	
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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

This inorganic pigment in general is considered to be practically nontoxic.

Acute toxicity : not available Carcinogenicity : not available

# 12. ECOLOGICAL INFORMATION

Toxicity : no data

Persistence and degradability : insoluble in water. This product is predicted not to degrade in soil and water

Bioaccumulative potentiall : no data

Mobility in soil : not applicable
Results of PBT and vPvB assessment : : not applicable
Other adverse effects : : not known

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORT INFORMATION

Not classed as dangerous for transport.

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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			

### 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 (SDS)

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