

According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010  
 Date of issue : 07.09.2011 – Version : EU\_EN/2 – Print date : February 2018

02607-1049

### Material Safety Data Sheet

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

##### Product Identifier

Trade name : POLAR LIGHT COLLECTION - dry powders  
 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

#### 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 dioxide - silica. Contains no hazardous ingredients

Common chemical name	CAS No.	EINECS No.	Colour Index	Chemical composition	Hazard classification According to directive 67/548/EEC & Directive 1999/45/EC, Regulation (EC) No. 1272/2008 (CLP)
Mica	12001-26-2	310-127-6	77019	45-55	Not classified
Titanium dioxide	13463-67-7	236-675-5	77891	10-21	Not classified
Silica	7631-86-9	231-545-4		32-40	Not classified

According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010  
Date of issue : 07.09.2011 – Version : EU\_EN/2 – Print date : February 2018

#### 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

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 selfcontainedbreathing 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 forcollecting spilt materials, where practicable

Reference to other sections : see sections 8 and 13

#### 7. HANDLING AND STORAGE

According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

Date of issue : 07.09.2011 – Version : EU\_EN/2 – Print date : February 2018

Precautions for safe handling : avoid breathing dust  
Conditions for safe storage  
including any incompatibilities : keep container in a wellventilated place  
Specific enduse(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 beachieved 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 andmouth

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	: Yellow /Indigo
Odour	: odourless
pH	: 6.0-9.0 (4% H <sub>2</sub> O)
Boiling point, ° C	: not applicable
Melting point, ° C	: decomposes
Freezing point, ° C	: not applicable
Density	: 2.7-3.1kg/L
Bulk density	:23-29g/100g
Vapour pressure	: not applicable
Solubility (in water)	: insoluble
Particle size	:20-80µm

### 10. STABILITY AND REACTIVITY

Reactivity: there may be violent or incandescent reaction of the product with metals at high

According to ECRegulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010  
 Date of issue : 07.09.2011 – Version : EU\_EN/2 – Print date :February 2018

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

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  
 Bioaccumulativepotentiall: no data  
 Mobility in soil: not applicable  
 Results of PBT and vPvBassessment :: not applicable  
 Other adverse effects :: not known

### 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

# COLOR BERRY

## POLAR LIGHT COLLECTION

**COLORBERRY GmbH**  
Wolfersberg 1  
85667 Oberpframmern  
www.mrscolorberry.com  
0049 151 10016131

According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

Date of issue : 07.09.2011 – Version : EU\_EN/2 – Print date : February 2018

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 (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