

Safety Data Sheet

according to Regulation (EC) No 1907/2006



Turquoise Ice

Print date: 28.11.2017

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Glaze 9651 Türkiseis

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Manufacture of ceramic coatings suited for firing ceramics.

1.3. Details of the supplier of the safety data sheet

Company name:	TerraColor GmbH	
Street:	Manderscheidstr. 90	
Place:	D-45141 Essen	
Telephone:	+49 (0) 201 293300	Telefax: +49 (0) 201 2944389
e-mail:	info@terracolor.de	
Contact person:	Dr. Monika Szurman	
e-mail:	sdb@terracolor.de	
Internet:	www.terracolor.de	

1.4. Emergency telephone number:

+49 (0) 201 293300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard Statements:

Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Pictograms:



Hazard statements

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P501 Dispose of contents/container to Dispose of waste according to applicable legislation..

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of mineral oxides, metal oxides and inorganic pigments.

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
1314-13-2	zinc oxide			< 25%
	215-222-5	030-013-00-7		
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated or saturated clothing.

After inhalation

Take affected persons out into the fresh air.

After contact with skin

Precautionally wash off with soap and water.

After contact with eyes

In case of contact with eyes rinse thoroughly with water.

After ingestion

In the event of symptoms refer for medical treatment.

4.2. Most important symptoms and effects, both acute and delayed

no data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

none known

5.2. Special hazards arising from the substance or mixture

none known

5.3. Advice for firefighters

Employ protective equipment commonly used in the event of fire.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Contaminated fire-extinguishing water must be disposed of in accordance with the regulations issued by the appropriate local authorities.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Provide adequate ventilation. Avoid dust formation.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

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6.4. Reference to other sections

Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

When using do not eat, drink or smoke. Wash hands before breaks and after work. Do not leave children unattended while using the material. Open windows to ensure natural ventilation.

Advice on protection against fire and explosion

Avoid generation of dust.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep out of the reach of children.

Advice on storage compatibility

No special restrictions on substances.

Further information on storage conditions

Product is water-pollutive. Observe the national and local regulations concerning handling and storage.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

Observe general dust limit MAK (A = respirable fraction): 3 mg/m³.

8.2. Exposure controls

Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Protective and hygiene measures

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Eye/face protection

If necessary: Wear tightly sealed safety glasses.

Hand protection

Wear protective gloves made of the following materials: NBR (Nitrile rubber).

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Powder
Colour:	light blue
Odour:	odourless

Test method

Changes in the physical state

Flash point:	not applicable
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9.2. Other information

no data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended storage conditions.

10.2. Chemical stability

No decomposition if stored normally.

10.3. Possibility of hazardous reactions

no data available

10.4. Conditions to avoid

No dangerous reaction known under conditions of normal use.

10.5. Incompatible materials

none known

10.6. Hazardous decomposition products

none known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
1314-13-2	zinc oxide			
	oral	LD50 > 5000 mg/kg	Rat	IUCLID

Irritation and corrosivity

Powder can cause localised skin irritation in folds of the skin or under tight clothing.

Sensitising effects

none known

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

no data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

no data available

12.5. Results of PBT and vPvB assessment

no data available

12.6. Other adverse effects

Toxic to aquatic life with long lasting effects.
Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

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13.1. Waste treatment methods

Advice on disposal

Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of as special waste in compliance with local and national regulations. Disposal according to local authority regulations. In agreement with the waste code must be determined regional waste disposal authority or company.

Contaminated packaging

Dispose of as unused product. If there is product residue in the emptied container, follow directions for handling on the container's label.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	UN3077
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide)
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9



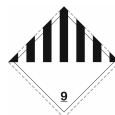
Classification code:	M7
Special Provisions:	274 335 601
Limited quantity:	5 kg
Transport category:	3
Hazard No:	90
Tunnel restriction code:	E

Other applicable information (land transport)

E1

Inland waterways transport (ADN)

14.1. UN number:	UN3077
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide)
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9



Classification code:	M7
Special Provisions:	274 335 601
Limited quantity:	5 kg

Other applicable information (inland waterways transport)

E1

Marine transport (IMDG)

14.1. UN number:	UN3077
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide)
14.3. Transport hazard class(es):	9

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14.4. Packing group:

III

Hazard label:

9



Marine pollutant:

yes

Special Provisions:

274, 335

Limited quantity:

5 kg

EmS:

F-A, S-F

Other applicable information (marine transport)

E1

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:

UN3077

14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide)

14.3. Transport hazard class(es):

9

14.4. Packing group:

III

Hazard label:

9



Special Provisions:

A97 A158 A179

Limited quantity Passenger:

30 kg G

IATA-packing instructions - Passenger:

956

IATA-max. quantity - Passenger:

400 kg

IATA-packing instructions - Cargo:

956

IATA-max. quantity - Cargo:

400 kg

Other applicable information (air transport)

E1

: Y956

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:

yes



SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information

Water contaminating class (D):

2 - water contaminating

SECTION 16: Other information

Changes

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such

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material used in combination with any other materials or in any process, unless specified in the text.

Relevant H and EUH statements (number and full text)

H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)