

MATERIAL SAFETY DATA SHEET
according to 1907/2006/EC, Article 31

Revision: 28.03.2012
Printing date: 28.03.2012

01 Identification of the substance/mixture and of the company/undertaking

- Product identifier
- Trade name:
Ultramarine Blue
- CAS Number:
101357-30-6
- Index number:
309-928-3
- Registration number
01-2119488928-13-0000
- Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the preparation
colouring agent
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
Kreidezeit Naturfarben GmbH
Kassemuehle 3
D - 31196 Sehlem, Germany
Phone: +49 (0) 5060 - 6080650
Fax: +49 (0) 5060 - 6080680
E-Mail: info@kreidezeit.de
- Further information obtainable from:
Product Safety Department
Tel.: +49 (0) 5060 - 6080650

02 Hazards identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
Void
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC
void
- Information concerning particular hazards for human and environment:
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- Label elements
- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms
Void
- Signal word
Void
- Hazard statements
EUH210 Safety data sheet available on request.
- Other hazards
- Results of PBT and vPvB assessment
- PBT:
Not applicable.
- vPvB:
Not applicable.

03 Composition/information on ingredients

- Chemical characterization: Substances
- | CAS No. | Description |
|----------------|------------------------------|
| 101357-30-6 | C.I. Pigment Blue 29 (77007) |
- Identification number(s)
- Index number:
309-928-3

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04 First aid measures

- Description of first aid measures
- After inhalation:
Supply fresh air; consult doctor in case of complaints.
- After skin contact:
Immediately rinse with water.
Generally the product does not irritate the skin.
- After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:
If symptoms persist consult doctor.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed
No further relevant information available.
- Indication of any immediate medical attention and special treatment needed
No further relevant information available.

05 Firefighting measures

- Extinguishing media
- Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents:
Water with full jet
- Special hazards arising from the substance or mixture
In case of fire, the following can be released:
Sulphur dioxide (SO₂)
- Advice for firefighters
- Protective equipment:
Wear self-contained respiratory protective device.

06 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
Avoid formation of dust.
Ensure adequate ventilation
Wear protective clothing.
- Environmental precautions:
Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:
Pick up mechanically.
- Reference to other sections
See Section 13 for disposal information.

07 Handling and storage

- Handling:
- Precautions for safe handling
Provide suction extractors if dust is formed.
- Information about fire - and explosion protection:
No special measures required.
- Conditions for safe storage, including any incompatibilities
- Storage:
- Requirements to be met by storerooms and receptacles:
Store only in the original receptacle.
- Information about storage in one common storage facility:
Do not store together with acids.
- Further information about storage conditions:
Keep container tightly sealed.
Store in dry conditions.
- Specific end use(s)
No further relevant information available.

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08 Exposure controls/personal protection

- Control parameters
- Ingredients with limit values that require monitoring at the workplace:

CAS No.	Designation of material	WEL	mg/m³
101357-30-6	C.I. Pigment Blue 29 (77007)	4* 10**	
		<i>*respirable dust, **inhalable dust</i>	
- Additional information:
The lists valid during the making were used as basis.
- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
- Respiratory protection:
Use suitable respiratory protective device in case of insufficient ventilation.
- Protection of hands:
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection:
Safety glasses
- Body protection:
Protective work clothing

09 Physical and chemical properties

Information on basic physical and chemical properties	
General Information	
Appearance:	
Form:	Powder
Colour:	Blue
Odour:	Odourless
Change in condition	
Boiling point/Boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	
Decomposition temperature:	> 400°C
Self-igniting:	Not determined.
Danger of explosion:	Not determined.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.
Density:	2,4000 g/cm ³
Solubility in / Miscibility with water:	
	Not determined.

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pH-value:	at 20,00 °C 7,0 - 9,0
Viscosity:	
Dynamic:	Not determined.
Other information	No further relevant information available.

10 Stability and reactivity

- Reactivity
- Chemical stability
- Thermal decomposition / conditions to be avoided:
To avoid thermal decomposition do not overheat.
- Possibility of hazardous reactions
Toxic fumes may be released if heated above the decomposition point.
Reacts with acids.
Reacts with acids forming hydrogen sulphide.
- Conditions to avoid
No further relevant information available.
- Incompatible materials:
No further relevant information available.
- Hazardous decomposition products:
Sulphur dioxide
Hydrogen sulphide

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
- LD/LC50 values relevant for classification:
101357-30-6 C.I. Pigment Blue 29 (77007)
Oral, LD50: > 10000 mg/kg (rat)
- Primary irritant effect:
- on the skin:
No irritant effect.
- on the eye:
No irritating effect.
- Sensitization:
No sensitizing effects known.
- Additional toxicological information:
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

12 Ecological information

- Toxicity
- Aquatic toxicity:
101357-30-6 C.I. Pigment Blue 29 (77007)
fish, LC50/96h : > 32000 mg/kg
- Persistence and degradability
No further relevant information available.
- Behaviour in environmental systems:
- Bioaccumulative potential
No further relevant information available.
- Mobility in soil
No further relevant information available.
- Additional ecological information:
- General notes:
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment
- PBT:
Not applicable.
- vPvB:
Not applicable.
- Other adverse effects
No further relevant information available.

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13 Disposal considerations

- Waste treatment methods
- Recommendation
Disposal must be made according to official regulations.
- Uncleaned packaging:
- Recommendation:
Disposal must be made according to official regulations.

14 Transport information

- Land transport ADR/RID (cross-border)
ADR/RID class: -
- Maritime transport IMDG:
IMDG Class: -
- Air transport ICAO-TI and IATA-DGR:
ICAO/IATA Class: -
- Environmental hazards:
Not applicable.
- Transport/Additional information:
Not dangerous according to the above specifications.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- National regulations:
- Classification according to VbF:
-
- Chemical safety assessment:
A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing MSDS:
Product Safety Department
- Contact:
Mr. Zlatko Matijasic
- Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
VCI: Verband der chemischen Industrie, Deutschland (German chemical industry association)
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent