

SAFETY DATA SHEET

Ultramarine Blue - 113

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

* Trade name : Ultramarine Blue - 113
Chemical description : Blue sodium polysulfide aluminosilicate sodalite-type
REACH Registration number : 01-2119488928-13

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

Use : Colouring agents, pigments.

1.3. Details of the supplier of the safety data sheet

Company identification : Michael Harding Art Formulas LTD
Unit K Springvale Ind Est
Cwmbran, Torfaen, NP44 5BE
Tel. +44(0)1633484700
accounts@michaelharding.co.uk

1.4. Emergency telephone number

Phone number : +0034 933 435 750 [Office hours]
CHEMTREC International Number: +(1)-703-527-3887
United Kingdom: +(44)-870-8200418
Ireland: +(353)-19014670
Israel: +(972)-37630639
India: 000-800-100-7141
Saudi Arabia: +(966)-8111095861
South Africa: 0-800-983-611
Australia: +(61)-290372994
New Zealand: +(64)-98010034

2. Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No 1272/2008 (CLP/GHS))

Not classified.

2.2. Label elements

Labelling (Regulation (EC) No 1272/2008 (CLP/GHS))

Not classified.

2.3. Other hazards

Other hazards : The substance does not fulfil the criteria to be identified as PBT or vPvB substance according to Annex XIII of Regulation REACH.

SAFETY DATA SHEET

Ultramarine Blue - 113

3. Composition/information on ingredients

Substance / Mixture : Substance.
Pigment Blue 29
Blue sodium polysulfide aluminosilicate sodalite-type
Alternative CAS n°: 57455-37-5
CAS No :101357-30-6
EC No :309-928-3
Index No :---
REACH N° :01-2119488928-13

Chemical nature Inorganic pigment
Hazardous component(s) No hazardous ingredients.

Composition

Substance name	Contents	CAS No	EC No	Index No	REACH N°	Classification
Pigment Blue 29 Blue sodium polysulfide aluminosilicate sodalite-type Alternative CAS n°: 57455-37-5		101357-30-6	309-928-3		01-2119488928-13	Not classified (GHS)

Contains no other components or impurities which will influence the classification of the product.

4. First aid measures

4.1. Description of first aid measures

General advice : Do not leave the victim unattended. Never give anything by mouth to an unconscious person.

Inhalation : Assure fresh air breathing. Allow the victim to rest. If you feel unwell, seek medical advice (show the label where possible).

Skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice.

Eye contact : Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.

Ingestion : Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

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

Symptoms relating to use : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

Emergency medical treatment : If you feel unwell, seek medical advice (show the label where possible).

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media Foam. Water spray. Dry powder. Carbon dioxide. Sand.

Unsuitable extinguishing media Do not use a heavy water stream.

Surrounding fires Use water spray or fog for cooling exposed containers.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products : Under fire conditions, hazardous fumes will be present.

SAFETY DATA SHEET

Ultramarine Blue - 113

5. Fire-fighting measures (continued)

5.3. Advice for fire-fighters

- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures** : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- For emergency responders** : Ventilate area. Equip cleanup crew with proper protection.
- Special precautions** : Recover the cleaning water for later disposal.
- For non-emergency personnel** : Evacuate unnecessary personnel.

6.2. Environmental precautions

- Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Clean up methods** : Ventilate area. Minimize generation of dust. On land, sweep or shovel into suitable containers.

6.4. Reference to other sections

See section 8. Exposure controls/personal protection
For disposal considerations see section 13.

7. Handling and storage

7.1. Precautions for safe handling

- Handling** : Use personal protective equipment as required. Smoking, eating and drinking should be prohibited in the application area. Avoid creating dust. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
- Technical protective measures** : Provide adequate ventilation to minimize dust concentrations.

7.2. Conditions for safe storage, including any incompatibilities

- Storage** : Electrical installations / working materials must comply with the technological safety standards.
Keep only in the original container in a cool, dry, well-ventilated place. Keep container closed when not in use. Storage temperature: 0 - 50 °C.
- Storage - away from** : Strong acids. Strong bases.

7.3. Specific end use(s)

- Specific end use(s)** : Industrial uses.

SAFETY DATA SHEET

Ultramarine Blue - 113

8. Exposure controls / personal protection

8.1. Control parameters

Occupational Exposure Limits : TLV: 15 mg/m³ (Total dust)
Non-occupational exposure standards have been developed for this material.

8.2. Exposure controls

Personal protection : Avoid all unnecessary exposure.

- **Respiratory protection** : Where excessive dust may result, wear approved mask. EN 149
- **Hand protection** : In case of repeated or prolonged contact wear gloves.
- **Eye protection** : Chemical goggles or safety glasses.
- **Others** : Do not eat, drink or smoke when using this product.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state at 20 °C : Powder.
Colour : Blue.
Odour : Odourless.
Odour threshold : Not applicable.
pH : 6 - 9 (10% w/w) [ASTM D-1208]
Melting point [°C] : > 1000 °C
Critical temperature [°C] : Not applicable.
Auto-ignition temperature [°C] : Not applicable.
Flammability (solid, gas) : Not flammable. [UN Test 1]
Flash point [°C] : Not applicable.
Boiling point [°C] : Not applicable. (Solid)
Evaporation rate : Not applicable.
Vapour pressure [20°C] : Not applicable.
Vapour density : Not applicable.
Density at 20°C [g/cm³] : 2.35 g/cm³ [ASTM D-153]
Solubility in water : Insoluble.
Log Pow octanol / water at 20°C : Not applicable. (Inorganic substance).
Viscosity at 40°C [mm²/s] : Not applicable. (Solid)
Explosive properties : Not explosive.
Oxidising properties : Not oxidizing.

10. Stability and reactivity

10.1. Reactivity

Reactivity : Stable under normal conditions.

10.2. Chemical stability

Chemical stability : Stable under normal conditions.

SAFETY DATA SHEET

Ultramarine Blue - 113

10. Stability and reactivity (continued)

10.3. Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

10.4. Conditions to avoid

Conditions to avoid : At temperatures above 400°C in the presence of air, Sulphur Dioxide (SO₂) gas can be released.

10.5. Materials to avoid

Materials to avoid : Strong acids. Strong bases.

10.6. Hazardous decomposition products

Hazardous decomposition products : At temperatures above 400°C in the presence of air, Sulphur Dioxide (SO₂) gas can be released. Hydrogen Sulphide may be released in contact with acids. (Not resistant grades).

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity

• **Ingestion** : Based on available data, the classification criteria are not met.
- LD50 (oral, rat) [mg/kg] : > 10000 mg/kg

Irritation : Non-irritating.

Sensitization : No sensitizing potential.

Mutagenicity : No experimental or epidemiological evidence exists.

Carcinogenicity : No experimental or epidemiological evidence exists.

Reproductive toxicity : No experimental or epidemiological evidence exists.

Specific target organ toxicity (STOT) – single exposure : No experimental or epidemiological evidence exists.

Specific target organ toxicity (STOT) – repeated exposure : No experimental or epidemiological evidence exists.

Aspiration hazard : Not applicable.

12. Ecological information

12.1. Toxicity

Acute toxicity

- LC50 96 h - Fish [mg/L] : > 32000 mg/L

12.2. Persistence - degradability

Persistence - degradability : Not applicable.

12.3. Bioaccumulative potential

Bioaccumulative potential : Not applicable.

SAFETY DATA SHEET

Ultramarine Blue - 113

12. Ecological information (continued)

12.4. Mobility in soil

Mobility in soil : Not applicable.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT or vPvB substance according to Annex XIII of Regulation REACH.

12.6. Other adverse effects

Environmental precautions : Avoid release to the environment.

13. Disposal considerations

13.1. Waste treatment methods

General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

14. Transport information

14.1. Land transport (ADR-RID)

General information : Not regulated.

14.2. Sea transport (IMDG)

General information : Not regulated.

14.3. Air transport (ICAO-IATA)

General information : Not regulated.

15. Regulatory information

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

Safety, health and environmental regulations/legislation specific for the substance or mixture : Ensure all national/local regulations are observed.

REACH - Candidate List of Substances of Very High Concern for Authorisation (SVHC) : None.

REACH - List of substances subject to authorisation (Annex XIV) : None.

REACH Restrictions - Annex XVII : None.

WGK (Germany) : 0 (nwg)

15.2. Chemical Safety Assessment

SAFETY DATA SHEET

Ultramarine Blue - 113

15. Regulatory information (continued)

Chemical Safety Assessment : It has been carried out.

16. Other information

Revision : Revision - See : *

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Recommended uses and restrictions : See product bulletin for detailed information.

Further information : Application: Coloration of plastics, paper, soaps, paints, cosmetics, food contact packaging, artist colours, etc.

The contents and format of this safety data sheet are in accordance with REACH Regulation (EC) No 1907/2006.

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

End of document