

CHEMICAL SAFETY DATA SHEET

Following the regulation (EC) n° 453/2010

ULTRAMARINE BLUE & VIOLET

HUNTSMAN

Enriching lives through innovation

Version 6

Creation date 13.02.2015

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY UNDERTAKING

The information contained herein is specific to the following grades:

Ultramarine blue : Premier GS, GM, GX, RX, RS, RM, AR, BC, BC-R, XSG, XSR
XAR, DRX, DRM, DRS, DGS, DGX, DFRX, DXSG, DXSR, FRX
FXSR, XTRA, XTRA LV

Ultramarine violet : Premier VU, VUB, VX, VB, VXB, VSB, VSR

Uses : Ultramarine Blue and Violet are used as a colorant in plastics, paper, food contact packaging, inks, paints, cosmetics, ...

Supplier : Holliday Pigments SAS
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2. HAZARD IDENTIFICATION

* Classification

Ultramarine Pigments are not classified as dangerous for supply or transport according to Regulation (EC) n°1272/2008 and Directive 67/548/EC.

* Label elements

As with all clay minerals Ultramarine blue can create a nuisance dust which may aggravate existing respiratory problems.

* Other hazards

Contact with acids liberates hydrogen sulphide, a highly flammable toxic gas.

This risk is greatly reduced with acid resistant grade, PREMIER AR, PREMIER XAR, PREMIER BC-R.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	:	Ultramarine Blue	Ultramarine Violet
Chemical Name	:	Sodium alumino sulpho silicate	
Colour Index number	:	Pigment blue 29: 77007	Pigment violet 15: 77007
CAS number	:	57455-37-5 101357-30-6	12769-96-9
EC number	:	309-928-3	235-811-0
REACH Registration number	:	01-2119488928-13-0002	01-2119917334-42-0001



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4. FIRST AID MEASURES

Inhalation	:	Remove patient to fresh air
Skin Contact	:	Wash with soap and water
Eye Contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists seek medical attention
Ingestion	:	This product is non-toxic

5. FIREFIGHTING MEASURES

* **Extinguishing media**

Any convenient extinguishing medium is safe to use on this product

* **Specific hazards / protective equipment**

Sulphur Dioxide gas can be liberated if this product undergoes chemical change during a fire sustained by other materials.

* **Advice for firefighters**

Suitable breathing apparatus should be worn

6. ACCIDENTAL RELEASE MEASURES

Protective Equipment : Refer to Section 8 for details

Personal Precautions : None necessary unless contact with acids or fire should occur, in which case self contained breathing apparatus should be worn.

* **Environmental Precautions** : Avoid contamination of drains, surface water and groundwater.

Methods for Cleaning : Sweep up spillages. In case of accidental major discharge into drains, flush with copious amounts of water to dilute any acidic conditions that may prevail.

7. HANDLING AND STORAGE

* **Protective Measures** : Avoid dust formation, use an extractor and if necessary use a protective mask.

Storage : Store in a dry, well ventilated area. Do not store near acids or flammable materials.

Packaging Materials : Paper sacks, PE sacks or drums

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OEL (UK) : 10mg/m³, 8 hour TWA (inhalable dust)

OEL (UK) : 4mg/m³, 8 hour TWA (respirable dust)



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Ultramarine pigments are considered non-toxic, the limits quoted are the UK limits for nuisance dusts. Consult local regulations before using this product.

- Respiratory Protection : Wear a suitable dust mask rated to EN149 FFP 1.
In the event of contact with acids or fire use self-contained breathing apparatus.
- Hand Protection : This product is non-irritating, therefore protection is not essential. However it is recommended to use disposable nitrile or vinyl gloves when handling bulk quantities.
- Eye Protection : Safety eyewear rated to EN166. Use goggles in windy conditions.
- Body Protection : Wear overalls (cotton or polyester) when handling bulk quantities. Chemical resistant materials are not required.

* Reminder: Technical measures including means of collective protection should be prioritized before resorting to personal protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : Fine blue powder or violet (Premier VU, VUB, VX, VB, VXB)
- Odour : None present
- pH (10% suspension) : 6 - 9
- Decomposition temp. : Loss of sulphur at 400°C / 750°F
- Flammability : Not applicable. This product is not flammable and does not provide conditions favourable to combustion.
- Explosive Limits : Ultramarine dusts do not form explosive mixtures in air.
- Specific Gravity : 2.35
- Solubility : Insoluble in water and organic solvents

10. STABILITY AND REACTIVITY

- Stability : Stable in air up to 350°C / 660°F
- Conditions to Avoid : At temperatures above 400°C/750°C in the presence of air an exothermic reaction can occur with the liberation of Sulphur Dioxide (SO₂) gas. Contact with acids liberates Hydrogen Sulphide (H₂S) gas.
- Decomposition Products : Hydrogen Sulphide - on contact with acids
Sulphur Dioxide - in combustion

11. TOXICOLOGICAL INFORMATION

- Oral LD50 (rat) : >10000mg/Kg
- Skin Irritation
- a. short term (rabbit) : None
- b. long term (guinea pig) 6.25% conc : None
- Mutagenicity : None
- Teratogenicity : None



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12. ECOLOGICAL INFORMATION

Ultramarine pigments are synthetic equivalents of the mineral Lapis Lazuli. They are extremely stable, except under acidic conditions when they will decompose to white siliceous material with the evolution of Hydrogen Sulphide gas (see sections 3 and 10).

CL50 - 96 hours (fish) : >32000 mg/Kg
CE 50i - 24 hours- (Daphnia Magna): Daphnia >90 %
WGK for Ultramarine Violet : 1

In Germany, ultramarine blue is classified by KBwS (Commission for Evaluation of Substances Hazardous to Waters) as non hazardous to waters.

Biodegradability : not applicable

Bio-accumulation : not applicable

13. DISPOSAL CONSIDERATIONS

Method of Disposal : Dispose of in accordance with local and national regulations governing chemical waste.

* Do not dispose waste in sewer systems.

Other Information : Ultramarine pigments should not be washed into waste-water drains.
Ultramarine pigments should not be disposed of where there is a risk of contact with acids.

14. TRANSPORT INFORMATION

Ultramarine pigments are not classified as dangerous substances for supply or transport under international regulations.

Do not transport with acids.

15. REGULATORY INFORMATION

16. OTHER INFORMATION

Although Ultramarine pigments are non toxic, inhalation of dusts and powders should be avoided in the general interests of health and safety. Use dust extraction systems and wear a dust protection mask if necessary.

The revisions made since the previous report are indicated by an * next to the entry.

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The MSDS has been written for the products listed in section 1 and must only be used for these products. If this product is used as a component in another product the information provided may no longer be applicable.

