

CHEMICAL SAFETY DATA SHEET

Following the regulation (EC) n° 453/2010

ULTRAMARINE VIOLET & PINK



HOLLIDAY PIGMENTS

Version 4

Creation date 11.07.2013

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

The information contained herein is specific to the following grades:

Ultramarine Violet : 11, 12, 13, 20, CM34, CM125

Ultramarine Pink : 19, 5029, PX

*

Uses : Ultramarine violet and pink are used as colorants in plastics, paper, food contact packaging, inks, paints, cosmetics, ...

Supplier : Holliday Pigments SAS
Address : 203, route de Wervicq
France - 59559 - Comines Cedex

☎ +33 (0)3.20.63.12.00
Fax +33 (0)3.20.39.20.83
HPLabo@holliday-pigments.com
www.holliday-pigments.com

Emergency Telephone Europe : +44 (0) 3700 492 795 (CareChem24)

2. HAZARD IDENTIFICATION

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

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

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	:	Ultramarine Violet	Ultramarine Pink
Chemical Name	:	Sodium alumino sulpho silicate	
Colour Index number	:	Pigment violet 15: 77007	Pigment red 259: 77007
CAS number	:	12769-96-9	12769-96-9
EC number	:	235-811-0	235-811-0

* REACH registration number : 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. FIRE FIGHTING MEASURES

Any convenient extinguishing medium is safe to use on this product

Specific Dangers	:	Sulphur Dioxide gas can be liberated if this product undergoes chemical change during a fire sustained by other materials.
Protective Equipment	:	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	:	Do not flush into surface water or sanitary sewer systems.
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 excessive dust generation. Use extraction where possible and wear a dust mask (EN149, FFP1).
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/m ³ , 8 hour TWA (inhalable dust)
OEL (UK)	:	4mg/m ³ , 8 hour TWA (respirable dust)

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

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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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Fine violet or pink powder (19, 5029)
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 260°C / 500°F
Conditions to Avoid	:	At temperatures above 400°C/750°F in the presence of air an exothermic reaction can occur with the liberation of Sulphur Dioxide (SO ₂) gas. Contact with acids liberates Hydrogen Sulphide (H ₂ S) 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 EFFECTS

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

WGK : 1

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.

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.