

## 45110 Ultramarine Violet, reddish

Product name:	Ultramarine Violet, reddish
Chemical name:	Sodium-aluminium-sulfo-silicate
Color index:	C.I. Pigment violet 15 : 77007
C.A.S. No.:	12769-96-9
EINECS No.:	2-358-110

### Specification:

Color shade DE CIEL (max):	1.00 lightening 1:5,4 with TiO <sub>2</sub> in impact-resistant polystyrene
Coloring strength (compared to standard):	± 5 %
Oversize (45 µm):	max. 0.05 %
Volatile moiety (105°C):	max. 1.30 %
Free sulfur:	max. 0.05 %
Water soluble parts:	max. 1.00 %

### Typical Data:

Color grade:	49
Density:	2.35
Bunk density (g/cm <sup>3</sup> ):	0.63
Oil adsorption:	34.5
Middle particle size (µm):	1.85

### Fastness/Resistance

Temperature resistance:	> 260°C
Light fastness (full color):	excellent (7 - 8)
Light fastness (lightening):	excellent (7 - 8)
Alkali resistance:	excellent
Acid resistance:	weak

### Safety Information

Acute oral toxicity (LD50, rat):	> 10 g/kg
Skin irritation:	not irritant and not sensitizing
Eye irritation:	not irritant
Exposition limit:	6 mg/m <sup>3</sup> (MAK Value)
Ecology:	not hazardous

### Regulations

Ultramarine violet is a non toxic pigment. It is universally authorized as coloring agent for objects being in contact with food and for the manufacture of toys.

### Storage, Stability and Handling

Transportation and storage:	Do not store near acid substances.
Non-compatible substances:	Acids.
Decomposition products:	Hydrogen sulfide is released after contact with acids.
Special protective measures:	None, however, avoid contact with excessive dust.
Special measures in case of release:	Clean-up immediately. Avoid spilling of large amounts of dust. Dispose of spilled material in accordance with local and national regulations.