



## SAFETY DATA SHEET

3502

AZURE BLUE SUNSHINE ONGLAZE COLOUR

### 1. Identification of substance/preparation and of the company undertaking

<b>Trade Name:</b>	Azure Blue Sunshine Onglaze Colour
<b>Chemical Name:</b>	-

### 2. Composition /information on ingredients

Composition:	CAS – No.	Common Name	
	68187-40-6	Cobalt silicate blue olivine	
	65997-17-3	Glass oxide	
<b>Hazardous Ingredients (Theoretically Calculated):</b>			
Weight (%)	CAS – No.	Common Name	
		Symbol	R-Sentence
30.0 – 60.0	7439-92-1	Lead in Compounds and frits	
		T	61-62-20/22-33
0.0 < 1.0	7440-43-9	Cadmium compounds	
		Xn	20/21/22

### 3. Hazards Identification

May cause harm to an unborn child.  
Possible risk of impaired fertility.  
Also harmful by inhalation, in contact with skin and if swallowed.  
Danger of cumulative effects.



#### 4. First Aid Measures

<b>General remarks</b>	In case of poisoning refer to section (2) for information on hazardous ingredients. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).
<b>Inhalation</b>	Bring affected persons out of danger area. Keep warm in a comfortable position and cover with blanket.
<b>Skin contact</b>	With continuous skin irritations consult doctor.
<b>Eye contact</b>	Rinse thoroughly immediately for a least 5 minutes keeping eyelid open.
<b>Ingestion</b>	Have patient rinse out mouth with water. Supply with medical care.
<b>Instructions for physician</b>	
<b>Inhalation</b>	After inhaling relevant quantities lung lavage. Control of load by measuring the urine output of the metal. If necessary treat with complexing agents.
<b>Contact with skin</b>	If necessary symptomatic treatment.
<b>Contact with eyes</b>	If necessary symptomatic treatment.
<b>Swallowing</b>	Immediate measures (also by laymen). Administer a drinking glass of saturated sodium sulphate solution
<b>Physician</b>	Remove poisonous substances from the gastro-intestinal tract. Administer sodium sulphate solution if this has not yet been done. Control of load by measuring the urine output of the metals. If necessary treat with complexing agents

#### 5. Fire Fighting Hazards

<b>Suitable Extinguishing Media:</b>	Usual measures for chemical fires. Extinguishing media, which must not be used for safety reasons.
<b>Special Exposure hazards arising from the substances or preparation itself, combustion products, resulting gases:</b>	Usual measures for chemical fires.
<b>Special protective equipment for Fire-fighters:</b>	Usual measures for chemical fires.



## 6. Accidental Release Measure

<b>Personal Precautions:</b>	Do not breathe dust. Keep persons at a distance and stay on the weather side. Wear personal protective equipment (See Section 8).
<b>Environmental Precautions:</b>	Dispose of waste in accordance with the legal regulations issued by the appropriate local and national authorities (See Section 13).
<b>Methods of cleaning up:</b>	Absorb mechanically and collect in a suitable container.
<b>Further Information:</b>	Avoid formation of dust. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## 7. Handling & Storage

<b>Handling:</b>	The product should only be handled by trained personnel. Avoid formation of dust; suction of objects is necessary. The product contains substances, which may be dangerous to reproduction (group 3). Note employment restrictions for minors and pregnant and lactating women. Keep out of reach of children Do not breathe dust Avoid exposure- obtain special instructions before use.
<b>Specific information referring to lead:</b>	The product should only be handled by trained personnel. Note employment restrictions for minors and for women of child bearing age
<b>Information referring to Cadmium and compounds:</b>	The product should only be handled by trained personnel
<b>Storage:</b>	Keep container dry and tightly sealed – even empties. Store under lock and key or only allow access to technical experts or persons under their authority. Product is slightly water- dangerous.

## 8. Exposure Control/Personal Protection

<b>Additional Instructions for technical installation:</b>	When processing the product, the air in the workplace should be regularly monitored and employees exposed to the product should be given a regular medical check-up.
<b>Ingredients with threshold limit values:</b>	
<b>Specific Information referring to lead:</b>	In accordance with current information a risk of embryonic damage is likely in pregnant women. Damage cannot be excluded even when the special limit values of TLV tolerance value are observed.



<b>Cadmium compounds -specific information (United Kingdom)</b>	Maximum Exposure Limit (MEL): 0.05 mg/3 8-hour TWA (long term) For the purposes of industrial medical surveillance the value of 15 micrograms/l in whole blood or urine is recommended in Germany as a maximum value.
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**Values of maximum admissible concentration (MAK):**

ml/m <sup>3</sup>	0.1000	mg / m <sup>3</sup> referring to lead compounds and frits (G)
ml/m <sup>3</sup>	0.1000	mg/m <sup>3</sup> referring to Cobalt in compounds (G)
ml/m <sup>3</sup>	2.0000	mg / m <sup>3</sup> referring to tin (G)

**Values of maximum admissible concentration (TRK)**

ml/m <sup>3</sup>	0.0150	mg/ m <sup>3</sup> referring to Cadmium (compounds)
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**Personal Protection:**

<b>General Protection:</b>	Wash face / hands before break and end of work. Avoid exposure – obtain special instructions before use.
<b>Respiratory Protection:</b>	If maximum admissible concentration value at the workplace is exceeded, apply ref. To BS 2091 Dust: B.
<b>Eye Protection:</b>	The usual precautionary measures for dealing with chemicals should be observed.
<b>Skin Protection:</b>	No particular protective equipment required, if no further advice is following.
<b>Hand Protection:</b>	No particular protective equipment required, if no further advice is following.

**9. Physical & Chemical Properties**

<b>Physical State:</b>	Solid
<b>Colour:</b>	Blue
<b>Odour:</b>	Not Applicable

**10. Stability & Reactivity**

<b>Conditions to avoid:</b>	No dangerous reactions are known to occur with correct handling and storage.
<b>Materials to avoid:</b>	(If applicable, information referring to individual components of the product is given below).
<b>Hazardous decomposition:</b>	(If applicable, information referring to individual components of the product is given below).



## 11. Toxicological Information

<b>Immediate effects, data for substance (or effects of certain components in preparations):</b>	Specific Information for this product is not available. (if applicable, information for components is given below)
<b>Chronic effects from short and long term exposure:</b>	Specific information for this product is not available. (if applicable, information for components is given below) May cause harm to unborn child Possible risk of impaired fertility Danger of cumulative effects
<b>Specific information referring to lead</b>	Classification as embryotoxic (teratogenic) (ROE) category 1. Substance which is known to be embryotoxic (adverse to development in humans)
<b>Human:</b>	To date, handling this product has not been known to cause any detrimental effects.

## 12. Ecological Information

<b>Data for elimination (persistence and degradability):</b>	Mechanically separable in water treatment plants.
<b>Behaviour in environmental compartments:</b>	Product is slightly water- dangerous. Do not allow run off to enter storm drains.
<b>Ecological effects:</b>	Product not investigated (if applicable information for component is given below).

## 13. Disposal Considerations

Look for Community provisions relating to waste. National or regional provisions may be in force.

<b>Product (substance or preparation) surface waste site for specially controlled waste of mono waste site</b>	Waste no	31433 referring to Germany
	Waste name	Glass and ceramic waste with harmful contaminations.
<b>Uncleaned contaminated packaging</b>	Waste code	18715 referring to Germany
	Destination of waste	Packing material with harmful contaminations or residues mainly in organic.



#### 14. Transport Information

Dangerous goods regulations	RID / ADR / IMDG – Code / ICAO – TI. No
Land Transport ADR / RID (Interstate / Intrastate)	Not restricted
Inland Navigation ADN	For inland navigation consultation necessary.
Sea Transport IMDG	Not restricted
Air Transport ICAO – TI and IATA-DGR	Not restricted
Water endangering class (Germany):	1
RQ (Reportable Quantity – USA):	

#### 15. Regulatory Information

<b>Information on the label according to the Directives of EEC:</b>		
Symbol(s) and indication(s) of danger:		T Toxic
Hazardous Ingredient(s) for labelling, containing:		Cadium (compounds) Lead in compounds and frits
<b>R Phrases</b>	R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
	R33	Danger of cumulative effects.
	R61	May cause harm to unborn child.
	R62	Possible risk of impaired fertility.
<b>S Phrases</b>	S2	Keep out of reach of children.
	S22	Do not breathe dust.
	S45	In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).
	S53	Avoid exposure - Obtain special instructions before use
Any other national measures that may be relevant (ref. Annex II Directive 88/379/EEC)		
The safety data sheet is produced considering new directives of EEC. Missing or differing labelling may occur during transitional stage until all countries take over these regulations in their national jurisdiction.		
<b>Lead –containing preparation:</b>		Containing lead. Do not use for painting articles, which can be chewed or sucked by children.

#### 16. Other Information

The data presented here corresponds to the present state of our knowledge and experience and are intended to describe our product with respect to possible safety demands. We imply with this however no guarantee of properties or description of qualities.