

HEALTH & SAFETY DATA SHEETS FOR SOYER ENAMEL POWDERS

DESCRIPTION: **612 Rich Blue Transparent Enamel**
(ENAMEL FOR USE ON COPPER, SILVER OR GOLD OR COLOURANT FOR GLASSWARE)

HAZARDS IDENTIFICATION

May cause harm to the unborn child. Toxic by inhalation and if swallowed Danger of cumulative effects. Possible risk of impaired fertility.

COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature	Product contains: glass/frit		
Information on ingredients/Hazardous components			
	Lead oxide in glasses/pigments	Concentration	20% - 30%
	CAS-No. 1317-36-8		
	Arsenic compounds in glasses/pigments	Concentration	0,1% - 0,2%

FIRST AID MEASURES

General advice

Bring affected person out of danger area. Place person on side in stable position if unconscious. Employ mouth-to-mouth resuscitation if breathing ceases. Remove contaminated or saturated clothing.

Inhalation	Take affected persons out into the fresh air. In case of discomfort consult doctor immediately.
Skin contact	Remove contaminated or saturated clothing. Wash off immediately with soap and plenty of water.
Eye contact	With eye held open, thoroughly rinse immediately with plenty of water for at least 10 minutes.
Ingestion	Make affected person vomit but only if he is fully conscious. Have patient rinse out mouth with water. Have patient drink plenty of water in small sips. Call a physician immediately.

FIRE-PROTECTION MEASURES

Suitable extinguishing media	The product itself does not burn.
Extinguishing media which shall not be used for safety reasons	None known
Specific hazards during fire fighting	None known
Special protective equipment for fire-fighters	Employ protective equipment commonly used in the event of fire.

Further information

Water used to extinguish fire should not enter drainage systems, soil, or stretches of water
Ensure there are sufficient retaining facilities for water used to extinguish fire. Contaminated fire extinguishing, water must be disposed of in accordance with the regulations issued by the appropriate local authorities.

ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear personal protective equipment. Avoid dust formation.
Environmental precautions	Prevent penetration into soil, stretches of water and drainage systems.
Methods for cleaning up	Pick up mechanically and collect in a suitable container. Avoid formation of dust.
Additional advice	Dispose of contaminated material as waste.

HANDLING AND STORAGE

Handling	The product should only be handled by trained personnel. The product contains substances, which are dangerous to reproduction. Comply with employment limitations for youths, pregnant women and nursing mothers. Avoid production of dust. Do not breathe dust.
Storage	Store substances and preparations classified as T or T+ under lock and key or only allow access to technical experts or persons under their authority. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from tobacco products. Keep away from food, drink and animal feedingstuffs.
Further information	Product is slightly water-pollutive. Observe the national and local regulations concerning handling and storage.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters		
	Lead oxide in glasses/pigments CAS-No. 1317-36-8	0.10 mg/m ³
	arsenic compounds in glasses/pigments CAS-No. EC-No.	0.2 mg/m ³

Occupational exposure controls
Personal protective equipment

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Respiratory protection	If workplace exposure limit is exceeded apply Respirator with P3 particle filter.
Hand protection	Wear protective gloves made of the following materials: nitrile rubber.
Eye protection	wear basket-shaped glasses or safety goggles with side-shields.
Skin and body protection	Safety shoes
Hygiene measures	Do not breathe dust or spray mist. Keep working clothes separately. Wash hands before breaks and immediately after handling the product. When using do not eat or drink. When using do not smoke.
Protective measures	Handle in accordance with good industrial hygiene and safety practice.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Form	Powder
Colour	Blue
Odour	Odourless
Physical state	Solid

STABILITY AND REACTIVITY

Conditions to avoid	No dangerous reaction known under conditions of normal use.
Materials to avoid	None known
Hazardous decomposition products	None known

TOXICOLOGICAL INFORMATION

Acute toxicity	Harmful if swallowed. Harmful by inhalation.
Chronic toxicity / Subacute toxicity	May cause harm to the unborn child. Possible risk of impaired fertility.
Skin irritation	Powder can cause localised skin irritation in folds of the skin or under tight clothing.
Eye irritation	Not known
Sensitisation	Not known No results of animal experiments with the product available.
Acute oral toxicity	Frits, chemicals (WGK 2) LD50 rat: > 2.000,00 mg/kg

ECOLOGICAL INFORMATION

Persistence and degradability	
Biodegradability	The methods for determining biodegradability are not applicable to inorganic substances.
Physico-chemical removability	No data available
Ecotoxicity effects	Specific information for this product is not available.
Toxicity to fish	Frits, chemicals (WGK 2) LC50 Fish: > 1.000,00 mg/l / 96 h
Toxicity to daphnia	Frits, chemicals (WGK 2) EC50 Daphnia: > 100,00 mg/l / 48 h
Toxicity to algae	Frits, chemicals (WGK 2) IC50 algae: > 1.000,00 mg/l / 72 h

DISPOSAL CONSIDERATIONS

In agreement with the waste code must be determined regional waste disposal authority or company. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of as special waste in compliance with local and national regulations.

Unclean packaging

Dispose of as unused product. If there is product residue in the emptied container, follow directions for handling on the container's label.

REGULATORY INFORMATION

Labelling according to EC Directives statutory basis/list 1999/45/EC

Hazard-defining component(s) Lead oxide in glasses/pigments

Symbol(s)

T	Toxic
N	Dangerous for the environment

R-phrases

R61	May cause harm to the unborn child.
R20/22	Also harmful by inhalation and if swallowed
R33	Danger of cumulative effects.
R62	Possible risk of impaired fertility.

S-phrases



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S53	Avoid exposure - obtain special instructions before use.
S22	Do not breathe dust.
S35	This material and its container must be disposed of in a safe way.
S36/37	Wear suitable protective clothing and gloves.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

This leaflet is no guarantee for the quality and specific characteristic of this product. It completes the directions of use but it does not replace them. The information it contains is based on the state of our knowledge when this document was created and they are given in good faith. We would also like to draw the users attention to the risks that are run if a product is used for another purpose than for the one it is created for.