

HEALTH & SAFETY DATA SHEETS FOR SOYER ENAMEL POWDERS

DESCRIPTION: **Dark Blue Opaque 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. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. 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	30% - 50%
	CAS-No. 1317-36-8		
	Arsenic compounds in glasses/pigments	Concentration	2% - 5%

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 Methods for

Prevent penetration into soil, stretches of water and drainage systems.

cleaning up Additional advice

Pick up mechanically and collect in a suitable container. Avoid formation of dust.

Dispose of contaminated material as waste in accordance with section 13.

Ensure adequate ventilation. Evacuate personnel to safe areas.

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 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/m³

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Arsenic compounds in glasses/pigments CAS-No. EC-No.

0.2 mg/m³

Occupational exposure controls

Personal protective equipment

Respiratory protection

Hand protection

Eye protection

Skin and body protection

Hygiene measures

If workplace exposure limit is exceeded apply Respirator with P3 particle filter.

Wear protective gloves made of the following materials: nitrile rubber.

wear basket-shaped glasses or safety goggles with side-shields.

Safety shoes

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

Glass, oxide, chemicals LD50 rat: > 2.000,00 mg/kg

Other information

Prolonged inhalation of fine quartz dust may cause silicosis when the maximum admissible concentration at the work place is exceeded. Symptoms of a silicosis may be cough and chronic inflammation of the respiratory system. There is some evidence of an increased lung cancer risk to people already suffering from silicosis.

ECOLOGICAL INFORMATION

Persistence and degradability

Biodegradability The methods for determining biodegradability are not applicable to inorganic substances.

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

Glass, oxide, chemicals LC50 Fish: > 1.000,00 mg/l / 96 h

Toxicity to daphnia

Frits, chemicals (WGK 2) EC50 Daphnia: > 100,00 mg/l / 48 h

Glass, oxide, chemicals EC50 Daphnia: > 100,00 mg/l / 48 h

Toxicity to algae

Frits, chemicals (WGK 2) IC50 algae: > 1.000,00 mg/l / 72 h

Glass, oxide, chemicals IC 50 algae: > 1.000,00 mg/l / 72 h

Further information on ecology

Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Do not allow entrance in sewage water, soil or stretches of water.

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.



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15. REGULATORY INFORMATION

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

Hazard-defining component(s)

Lead oxide in glasses/pigments

Arsenic compounds in glasses/pigments

Symbol(s)

T Toxic

N Dangerous for the environment

R-phrases(s)

R61 May cause harm to the unborn child.

R23/25 Toxic by inhalation and if swallowed

R33 Danger of cumulative effects.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R62 Possible risk of impaired fertility.

S-phrases(s)

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).

S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

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.