



# 青 岛 市 采 田 工 业 材 料 有 限 公 司

## Qingdao Caitian Industrial Materials Co., Ltd

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### MATERIAL SAFETY DATA SHEET

#### 1. SUBSTANCE/PREPARTION AND COMPANY NAME

Product name :Black Enamel for Tempered Glass 4706T-W  
Company :Qingdao Caitian Industrial Materials Co.,Ltd

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NO
Silicon Dioxide	7631-86-9
Sodium Oxide	1313-59-3
Zine Oxide	1314-13-2
Diethylene Glycol Butyl Ether	112-73-2
Lead Tetroxide	1314-41-6

#### 3. POSSIBLE HAZARDS

Emergency Overview: Black Paste

May cause eye and skin irritation

Inhalation of high concentrations may cause irritation or discomfort.

Dusts can form an explosive mixture with air.

Not expected to be a hazard in normal industrial use.

Eyes: Not expected to be a hazard in normal industrial use.

Skin: Not expected to be a hazard in normal industrial use.

Ingestion: Not expected to be a hazard in normal industrial use.

Long term oral exposure may result in liver damage.

Long term oral exposure may result in reproductive effects.

Long term oral exposure may result in nervous system effects.

Inhalation: As with any dust, mechanical irritation is possible to mucous membranes and the respiratory tract.

Chronic Health Effects: Long term oral exposure may result in liver damage.

Long term oral exposure may result in reproductive effects.

Long term oral exposure may result in nervous system effects.

Carcinogenicity: No

#### 4. FIRST AID MEASURES

SKIN: If signs of irritation appear, wash skin with plenty of soap and alcohol.

EYES: In case of contact, immediately flush eyes with plenty of water. Call a physician if signs of irritation appear.

INGESTION: If swallowed, induce vomiting by giving two glasses of water and Sticking finger down throat. Never give anything by mouth to an Unconscious person. Call a physician.

## **5. FIRE-FIGHTING AND MEASURES**

Flash Point: 95 °C

Extinguishing media: Dry powder, carbon dioxide.

Unusual fire and explosion hazards: under fire conditions, high temperature may be fired.

Combustion products: dry powder, sandy soil and carbon dioxide.

## **6. ACCIDENTAL RELEASE MEASURES**

Measures for cleaning/collecting: mix with an absorbent material such as sandy soil or non-hazardous substances , sweep up and package for disposal :

## **7. HANDING AND STORAGE**

Handling: Avoid contact with eye, skin and clothing.

Keep away from heat, sparks and flame.

Storage: Store in a cool, dry, well-ventilated area.

Keep container tightly closed.

Store away from heat, sparks, and flame.

## **8. EXPOSURE CONTROLS AND PROTECTION**

Engineering controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operation generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal protective equipment:

Eye/Face Protection: Chemical safety glasses with side shields or chemical safety goggles

Skin Protection: Gloves and coat.

Respiratory Protection: Wear an approved/certified dust respirator if dusting occurs.

Work Hygienic Practices: Wash after handling.

Wash contaminated clothing before reuse.

## **9. PHYSICAL& CHEMICAL PROPERTIES**

Appearance : Black Paste

Boiling Point : Not available

Flash Point : 95°C

Density : Not available

## **10. STABILITY AND REACTIVITY**

Stability : Stable

Materials to avoid : Incompatible with strong oxidizing agents  
Hazardous decomposition products : Not available

## **11. TOXICOLOGICAL INFORMATIONS**

LD50 Acute oral toxicity in rats : ORL-MUS LD50 4300 mg/kg  
Skin irritation tested : No irritant effect  
Eye irritation test : Not irritant effect  
Sensitization : No sensitizing effect known

## **12. ECOLOGICAL INFORMATION**

No significant information

## **13. DISPOSAL CONSIDERATIONS**

European waste catalogue water paint and varnish containing organic solvents or other dangerous substances

Recommendation: Disposal must be made according to official regulations.

## **14. TRANSPORT INFORMATION**

Non-hazardous for air, sea and road transport.

## **15. OTHER INFORMATION**

The information and recommendations contained herein are based upon data believe to be correct. However, no guaranty or warranty of any kind expressed or implied is made with respect to the information contained here.