



SIAM CASTING POWDERS LTD.

99/9 Moo5 KhlongYong Bhudhamontol Nakhonpathom Thailand 73170

TEL. 034-246037-8,40 FAX. 034-246039 WWW.SIAMCASTING.COM

MATERIAL SAFETY DATASHEET

(January 24,2023)

1.IDENTIFICATION

Injection Wax

2. COMPOSITION INFORMATION

COMPOSITION : PETROLEUM WAX, SYNTHETIC WAX AND POLYMER BLEND

3. HAZADOUS INGREDIENTS : No hazardous components as defined in the OSHA Hazard Communication Standard (29 CFR 1910.1200)

4. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Waxy solid , Green, Blue, Pink color.

ODOR : Slight odor.

SOFTENING POINTS : 68 - 70 °C

DENSITY : 0.90 – 0.98

VAPOR DENSITY : N/A

% VOLATILE : N/A

SOLUBILITY IN WATER : Insoluble.

VISCOSITY (CPS.) : 185

5. FIRE FIGHTING MEASURES

FLASH POINT : N/A

AUTOIGNITION TEMPERATURE : N/A

FLAMMABLE LIMITS : LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA : CO₂ , FOAM,WATER FOG AND DRY CHEMICAL.

UNUSUAL FIRE OR EXPLOSION HAZARD : NONE.

HAZADOUS COMBUSTION PRODUCTS : CO , CO₂ , SMOKE , FUME.

FIRE FIGHTING INSTRUCTIONS : Wear protective clothing to prevent contact with skin and eyes, Self-contained breathing apparatus. When water is used, apply using spray or fog nozzle.

6. REACTIVITY HAZARD DATA

STABILITY : Stable at room temperature.

CONDITION TO AVOID : Heat and open flame.

INCOMPATIBILITY(MATERIALS TO AVOID) : Strong oxidizing gaents.

HAZADOUS POLYMERIZATION : Will not occur.

HAZADOUS DECOMPOSITION PRODUCTS: Upon combustion, carbon monoxide and Carbon dioxide are generated.



SIAM CASTING POWDERS LTD.

99/9 Moo5 KhlongYong Bhudhamontol Nakhonpathom Thailand 73170

TEL. 034-246037-8,40 FAX. 034-246039 WWW.SIAMCASTING.COM

7. HEALTH HAZARD DATA

EMERGENCY OVERVIEW

This is a solid material at room temperature that softens and melts to a liquid as the temperature is increased above its melting point. Under normal usage this product is melted and used as a liquid or semi-liquid at elevated temperatures. While melting, the container should be kept covered and temperature control should be maintained to prevent excessive temperatures that would cause the formation of hydrocarbon vapors and the risk of fire.

SKIN CONTACT: Contact with molten material will result in a severe thermal burn.

EYE CONTACT: Contact of the eye with molten material will cause thermal burns and eye injury.

INHALATION: Respiratory discomfort and irritation are possible if breathed in a confined area.

8. POTENTIAL HEALTH EFFECTS

EYE : Exposure to fumes, vapors or smoke from thermally degraded material will cause eye irritation.

SKIN : Contact with molten material can cause severe thermal burns.

INGESTION : Although this material is essentially inert and non-toxic, it should be handled with care and not placed in the mouth or ingested.

INHALATION : If molten material gives off fumes, vapor or smoke in a confined area, irritation of the respiratory tract and physical discomfort of sensitive individuals could be expected.

9. FIRST AID PROCEDURES

EYES : Face shields must be worn when working with molten material. If an accident should occur, flush eyes with water for at least 15 minutes, administer first aid and call physician to treat the injury.

SKIN : For thermal burns, apply running water to the burned area for 15 minutes. Do not attempt to remove wax from the skin. Call a physician to treat the injury.

INGESTION : Material is not acutely toxic. Do not induce vomiting. Call a physician.

INHALATION : Remove individual to well-ventilated area and call a physician if respiratory conditions warrant medical attention.

10. CONTROL AND PROTECTIVE MEASURES

Respiratory Protection : Normally not needed, but when handling finely divided wax, a dust respirator is suggested. Avoid breathing hot wax vapors.

Protective Gloves: Not required except when working with hot liquid wax.

Eye Protection: When molten, wear a face shield over safety glasses.

Ventilation to be used: Adequate to capture wax dust and/or wax fumes.

Other Protective Clothing and Equipment: When molten, wear coveralls.

11. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken if Material is Spilled: If hot liquid, attempt to confine spill and let the wax solidify.

Once solid, wax may be recovered as any other material.

Disposal Methods: Dispose of in accordance with local, state and federal regulations.

Precautions to be Taken in Handling and Storage: Store away from flame, boilers and strong oxidizing agents.

Other Precautions : Molten products may cause thermal burns.



SIAM CASTING POWDERS LTD.

99/9 Moo5 KhlongYong Bhudhamontol Nakhonpathom Thailand 73170

TEL. 034-246037-8,40 FAX. 034-246039 WWW.SIAMCASTING.COM

12. TOXICOLOGICAL INFORMATION

Acute toxicity : None

13. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity : No further relevant information available.

Persistence and degradability : Not easily biodegradable.

Bio-accumulative potential : No further relevant information available.

14. DISPOSAL CONSIDERATION

Waste and treatment methods

Recommendation : Must be specially treated adhering to official regulations.

Uncleaned packaging

Recommendation : Disposal must be made according to official regulations.

15. TRANSPORTATION INFORMATION

: Not required.

16. OTHER INFORMATION

Exposure scenarios

: Not required.

The information herein is given in good faith, but no warranty, express or implied, is made.

This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose