

Date of issue: 20<sup>th</sup> July 2021



## MATERIAL SAFETY DATA SHEET

### SECTION 1. PRODUCTS AND COMPANY IDENTIFICATION

PRODUCT AND NAME : **POLYETHYLENE WAX- ALL FLAKE & Powder GRADES**

PRODUCT USE DESCRIPTION : POLYMER, LUBRICANT, INK, TEXTILE ADDITIVE, PAINT ADDITVE

SUPPLIER : **LUBKIM POLYTECH LLC**

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### SECTION 2. HAZARDS INDENTIFICATION

FORM : FLAKE and Powder

Classification of the substance or mixture : Combustible dust

Signal word : Warning

Harzard statemenets : May form combustible dust concentrations in air

Precautionary statement : Prevention : Use personal protective equipment as required

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Substance

Chemical name	Cas No	Concentration
POLYETHYLENE WAX	9002-88-4	100%

### SECTION 4. FIRST AND MEASURES

Inhalation : Remove to fresh air. Call a physician if irritation develops or persists

Skin contact : Wash off with soap and water. Call a physician if irritation

Develops or persists. Cool skin rapidly with cold water after contact with

Molten material Do not peel solidified product off the skin. Call a physician

Immediately

Eye contact : Rinse with plenty of water, Call a physician if irritation develop or persists

Ingestion : Unlikely route of exposure. If swallowed , rinse mouth with water ( only if the person

Is conscious ) Never give anything by mouth to an unconscious person. Do not

Induce vomiting consult a physician if necessary.

Treatment : Treat symptomatically

### SECTION 5 : FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

Circumstances and the the surrounding environment. Water mist. Dry chemical

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Carbon dioxide (CO<sub>2</sub>) Foam Do not use a solid water stream as it may scatter and spread fire

Specific hazards during firefighting : Avoid dust formation. Airborne dusts of this product in an enclosed space in the presence of an ignition source may constitute an explosion hazard. Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges. Static charges on powders or powders in liquids may ignite combustible atmospheres. Watch footing on floors and stairs because of possible spreading of molten material. Material can create slippery conditions in case of fire. Hazardous decomposition products may be produced such as : Carbon monoxide , Carbon dioxide

Special protective equipment for firefighters : In the event of fire and/or explosion do not breathe fumes. Wear self-contained breathing apparatus and protective suit.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions : Wear personal protective equipment. Evacuate personnel to safe area. May form explosive dust-air mixture. Avoid dust formation. Accumulations of dust from this product in the workplace may increase the likelihood or severity of an explosion. Risks of ignition followed by flame propagation accumulation of dust. E.g. on floors and ledges. Eliminate all ignition sources if safe to do so do not swallow. Avoid breathing dust. Avoid contact with skin, eyes and clothing

Environmental precautions : Should not be released into the environment.

Prevent product from entering drains

Methods for cleaning up : Avoid dust formation and electrical charging(sparking) because dust explosion might occur. Do not create a powder cloud by using a brush or compressed air. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing in place in container for disposal according to local regulation (see section 13) Use only non-sparking tools. For molten product : If material is molten, allow to cool. Use caution, as material may still be hot after solidification. Spilled material will solidify. Allow to solidify, Scrape up. Shovel into suitable container for disposal.

## **SECTION 7. HANDLING AND STORAGE**

Handling : Wear personal protective equipment. Avoid dust formation. Floors, walls and other surfaces must be regularly cleaned the material can accumulate static charge and therefore cause electrical ignition. Static charges on powders or powders in liquids may ignite combustible atmospheres. Take precautionary measures against static discharges. Material can create slippery conditions. Do not swallow. Avoid breathing

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Dust. Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion : All combustible solids have the potential to create a dust explosion hazard. The likelihood of an explosion can be dependent upon many factors, such as the explosive characteristics of the material, the design of the facility, and the manner in which the material is handled. A more detailed discussion can be found in NEPA Bulletin 654, " Standard for the Prevention of fire and dust explosions from the manufacturing, Processing, and handling of combustible Particulate solids"

Storage Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilate place. Keep away from heat and sources of ignition.

Keep away from direct sunlight. Protect from physical damage. Store away from incompatible substance

Protective measures : Ensure that eyewash stations and safety showers are close to the workstation location. Do not swallow. Avoid breathing dust. Avoid contact with skin. Eyes and clothing.

Engineering measures : Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapours. Provide exhaust ventilation if dust is formed. Use only in an area equipped with explosion proof exhaust ventilation. Electrical equipment should be protected to the appropriate standard. If formation of dust is observed, equipment has to be switched off, cleaned and serviced.

Eye protection : Wear as appropriate: Safety glasses with side-shields for molten product: Goggles or Face shield, giving complete protection to eyes

Hand Protection : When handling hot material, use heat resistant gloves

Skin and body protection : Wear heat protective clothing for handling hot material

Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment  
Use NIOSH approved respiratory protection.

Hygiene measures : Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use keep working clothes separately

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE : White Flake and White Powder

Dropting Point °C :  $105 \pm 10$

Boiling point / Boiling range : Not determined

Flash Point :  $> 150$  °C

Density :  $0.90 \pm 1$

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## **SECTION 10 STABILITY AND REACTIVITY**

Chemical stability : Stable under recommended storage conditions

Possibility of hazardous reactions : Hazardous polymerization dose not occur

Conditions to avoid : Heat , flames and sparks. Avoid dust formation and electrical charging

Because dust explosion might occur. Avoid exposure to temperatures exceeding recommended processing conditions

Hazardous decomposition : In case of fire hazardous decomposition products maybe produced such as : Carbon onoxide , Carbon dioxide

## **SECTION 11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity : LD50: > 2,500 mg/Kg , Species rate

Further information : Note : Product dust may be irritation to eyes, skin and respiratory system.

Thermal decomposition can lead to release of irritating gases and vapours. The molten Product can cause serious burns

## **SECTION 12 ECOLOGICAL INFORMATON**

Additional ecological information : Not information on ecology is available Not inherently biodegradable

## **SECTION 13 DISPOSAL CONSIDERATIONS**

Disposal methods : Observe all Federal, State, and Local Environmental regulations

## **SECTION 14 TRANSPORT INFORMATION**

**DOT** Not dangerous goods

**TDG** Not dangerous goods

**IATA / Air Transport** Not dangerous goods

**IMDG** Not dangerous goods

## **SECTION 15 REGULATORY INFORMAITON**

On the inventory , or in compliance with the inventory

## **SECTION 16. OTHER INFORMATION**

This information is intended solely for the use of individuals trained in the particular system