

Material Safety Data Sheet

oxidized polyethylene wax

SECTION 1 Product and Company Identification

Product Identification: oxidized polyethylene wax

Product use: widely used as PVC lubricant, dispersing agent, etc.

Manufacturer's Name: Jiangxi Hongyuan Chemical & Industrial Co., Ltd.

Post Office Box: 336400

Manufacturer's Address: JinXiu Rd. No. 13, Science and Technology Industry Garden, ShangGao, JiangXi

Manufacturer's Country: China

General Information Telephone: +86 795 7126816

SECTION 2 Composition

- Substance : oxidized polyethylene wax

- Content : 100%

Substance	Content (%)
$\left[\text{CH}_2 - \text{CH}_2 \right]_{60-350}$	98.85
$\begin{array}{c} \text{O} \\ \\ -\text{C}- \end{array}$	0.32
$-\text{OH}$	0.22
$\begin{array}{c} \text{O} \\ \\ -\text{C}-\text{OH} \end{array}$	0.34

$\begin{array}{c} \text{O} \\ \\ -\text{C}-\text{H} \end{array}$	0.27
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SECTION 3 Hazards Identification

Emergency Overview: oxidized polyethylene wax is white or yellowy powder,flake or granule form. Dust from this product may form an explosive mixture in air. Not considered hazardous under normal conditions of use.

Potential Health Hazards

Skin: May cause mechanical irritation if the product comes into contact with the skin. Contact with molten material may cause thermal burns.

Eyes: May cause mechanical irritation if product comes into contact with the eye

Inhalation: Not a probable route of exposure under normal conditions of use. Elevated processing temperatures may generate fumes and vapors which may cause irritation to the nose and throat.

Ingestion: Not a probable route of exposure. Not considered hazardous.

Delayed Effects: None Known.

SECTION 4 First Aid Measures

Skin: If in contact with solid material, wash with soap and water. If in contact with molten material, submerge injured area in cold water. Do not attempt to remove material adhering to the skin. Get medical attention if irritation develops or persists.

Eyes: Flush eyes with plenty of water. Get medical attention if irritation develops or persists.

Inhalation: If exposed to dusts or vapors at elevated processing conditions, remove to fresh air. Get medical attention if irritation develops or persists.

Ingestion: Not a probable route of exposure. If person is conscious, rinse mouth with water. Do not induce vomiting unless directed to do so by a

physician.

SECTION 5 Fire Fighting Measures

Flammable Properties

Autoignition Temperature: Not determined

Extinguishing Media: Use water fog, dry chemical, carbon dioxide or foam as appropriate for materials in surrounding fire. Avoid using direct streams of water on molten burning material as it may scatter and spread the fire.

Unusual Fire and Explosion Hazards: Melts in proximity to fires resulting in slippery floors and stairs. Static charges on powders or powders in liquids may ignite combustible atmospheres. Airborne dusts of this product in an enclosed space and in the presence of an ignition source may constitute an explosion hazard. See NFPA Bulletin 654, "Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids," for safe handling procedures.

Special Fire Fighting Precautions/Instructions: As in any fire, wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus and full protective clothing. Watch footing on floors and stairs because of possible spreading of molten material.

SECTION 6 Accidental Release Measures

Spill or Other Releases: (Always wear recommended personal protective equipment.) Avoid generating dust. Keep away from heat or flame. Collect material and place in a container for re-use or disposal. If material is molten, allow to cool. Use caution, as material may still be hot after solidification.

SECTION 7 Handling and Storage

Handling: (Always wear recommended personal protective equipment.) Under conditions of storage, vapors may collect in the headspace of the containers causing a sometimes pungent odor during unpacking of these products. Avoid breathing vapors when opening containers. Avoid spillage which can cause very slippery conditions on floors. Follow standard personal hygiene and housekeeping practices for an industrial environment.

Storage: To maintain product quality, store in a cool, dry area, away from direct heat or sunlight. Do not store near strong oxidizing agents and amines.

SECTION 8 Exposure Controls & Personal Protection

Engineering Controls: General room ventilation is adequate for storage and ordinary handling. Use local exhaust at points of fume generation or if dusty conditions prevail to maintain exposure below the PEL/TLV exposure limits.

Personal Protective Equipment

Skin Protection: Not normally required. Use heat-protective clothing as needed for handling hot material.

Eye Protection: Wear safety glasses or goggles that conform to ANSI Z87.1 under normal conditions. Wear safety goggles and/or a full-face shield if there is potential for contact with molten material.

Respiratory Protection: Not required for properly ventilated areas. If there is potential for inhalation of dust or vapor, wear a NIOSH approved respirator. The respirator must be selected based on contamination levels and use conditions found in the workplace. Use conditions must not exceed the working limits of the respirator. The respirator must be used in accordance with the OSHA respiratory protection standard.

Additional Recommendations: Provide safety showers and eyewash

stations in close proximity to the work area.

SECTION 9 Physical & Chemical Properties

Physical State: Solid

Appearance: White granule

Softening point (°C): 101-107

Acid Value (mgkOH / g): 7-15

Penetration (dmm): ≤5

Density g/ml: 0.95

SECTION 10 Stability & Reactivity Data

Stability Condition to Avoid: Normally stable. Avoid exposure to open flame or temperatures exceeding recommended processing conditions. Honeywell should be contacted if questions arise concerning specific processing conditions.

Incompatibilities: Strong oxidizing agents and amines.

Hazardous Decomposition Products: Thermal decomposition products may include carbon monoxide, carbon dioxide and combustion by-products (oxidized and non-oxidized hydrocarbons).

Hazardous Polymerization: Will not occur.

SECTION 11 Toxicological Information

Not available

SECTION 12 Ecological Information

Not available

SECTION 13 Disposal Considerations

Waste Property:

Disposal Method: Dispose of in compliance with Federal, state and local government regulations.

Disposal options include: recycling, incineration and landfilling. The information offered here is for the product as shipped.

SECTION 14 Transport Information

To complete packaging and load safely, during transporting, ensure that the container does not leak, fall or damage. Strictly prohibited mixed with oxidants, acids and others, to mixed operation. It should be anti-exposure, anti-rain and anti-high temperature.

SECTION 15 Regulatory Information

Federal and State Regulations:

Pennsylvania RTK: oxidized polyethylene wax Massachusetts RTK: oxidized polyethylene wax TSCA 8(b) inventory: oxidized polyethylene wax SARA 313 toxic chemical notification and release reporting: oxidized polyethylene wax CERCLA: Hazardous substances: oxidized polyethylene wax

Other Regulations: Not available.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL(EEC): R36/38-Irritating to eyes and skin.

HMIS (U.S.A.):

Health Hazard:0

Fire Hazard:1

Reactivity:0

Personal Protection:E

National Fire Protection Association (U.S.A.):

Health:0

Flammability:1

Reactivity:0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator, Be sure to use an approved/certified respirator or equivalent. Splash goggles.

SECTION 16 Other Information

References: Not available.

Other Special Considerations: Not available.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.