

Material Safety Data Sheet

EDITION: 1 (Aug 18, 2018)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PARAFFIN WAX
PRODUCT USE: Flexible adhesive

SUPPLIER: FUSHUN NEW-MAINLAND TRADING CO., LTD
NO.6, 7TH STREET, XINFU DISTRICT,
FUSHUN LIAONING CHINA
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2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION: Mixtures of refined hydrocarbon waxes
CAS NO.: 8002-74-2
AMOUNT OF CONTENTS: 100%

HAZARDOUS COMPONENTS: None

3. HAZARDS IDENTIFICATION

MAIN HAZARDS: None

4. FIRST AID MEASURES

SKIN / EYE: Flush affected areas with cold water for at least 20 minutes. Do not remove product from skin or eyes. Seek prompt medical attention.

INHALATION: Move patient into fresh air, seek medical attention.

INGESTION: Seek medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Mist spray, CO₂, dry chemical.
Not suitable: direct spray.

SPECIAL EXPOSURES HAZARDS:

Incomplete combustion or (high temperature) cracking can give: carbon monoxide, organic acids, aldehydes, alcohols etc., irritating vapours and smoke. Total combustion yields water and carbon dioxide.

PROTECTIVE EQUIPMENT: Respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Prevent inhalation and contact with hot liquid product.

ENVIRONMENT PRECAUTIONS:

Prevent leaking to the environment by blocking access to drains, access to water courses and access to fields.

METHOD FOR CLEANING UP: Do not pick up hot product, allow cooling fully and transferring to containers.

7. HANDLING AND STORAGE

HANDLING CONDITIONS: Handle in accordance with good industrial hygiene and safety.

STORAGE CONDITIONS: Store under cover, out of direct sunlight, avoid temperatures above 30°C.

STORAGE RECOMMENDATIONS:

- Waxes in storage can deteriorate if exposed to special conditions:-
- Wax stored molten, especially after prolonged exposure, can react with atmospheric oxygen and become discoloured and odorous.
- Solid wax stored above 30°C can become softened, leading to the particles adhering to each other ("agglomeration" or "blocking"). This effect can be mitigated by inclusion of anti-block additives in the wax formula.
- Certain soft or oily waxes may exude oil if stored above 30°C.
- Solid wax exposed to fluctuating low temperatures may gather condensation. Although this does not affect the wax chemically, the moisture may interfere with processes in which the wax is used.
- Prolonged exposure to ultra-violet light, including sunlight, can cause colour changes. White waxes may become yellow on the surface, and sometimes yellow waxes are decolourised.
- Store waxes near strong oxidizing agents will cause the waxes to degrade and change colour.
- Waxes are not nutritious and therefore not attractive to vermin, but this cause of possible deterioration should not be overlooked.

If these special conditions are avoided, that is to say, the blended adhesive is stored $\leq 30^{\circ}\text{C}$, and protected from bright sunlight or condensing humidity, the shelf life is indefinite, but for practical purposes a five year limit is recommended, together with an annual inspection for visible deterioration.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Ventilate working area

HAND PROTECTION: Protective gloves handling hot liquid product

EYE PROTECTION: Safety glasses

SKIN PROTECTION: Protective clothing

EXPOSURE GUIDELINES: (Guidelines exist for the following ingredients)

<u>Ingredient Name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>Other Limit</u>
Paraffin wax fume	2mg/m ³		2 mg/m ³ (NIOSH)

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White to yellow pellets or slabs.

PHYSICAL STATE: Solid.
ODOR: Typical
RELATIVE DENSITY: 0.89 – 0.96
SOLUBILITY IN WATER: (Weight %) not applicable
pH: Not applicable.
BOILING POINT: Not applicable.
SOFTENING/MELTING POINT: Approx 48-72°C
VAPOR PRESSURE: Negligible.
FLAME POINT: > 190°C
(Flash point method and additional flammability data are found in Section 5.)

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Prevent overheating. Do not heat above flame point.

CHEMICALS TO AVOID: Strong acids and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:
At burning: see fire-fighting measures

11. TOXICOLOGICAL INFORMATION

No allergic and no skin re-absorbing properties are known.
Not toxic in normal conditions of use.

12. ECOLOGICAL INFORMATION

This product is not soluble in water, and is not expected to cause an adverse environmental effect.

13. DISPOSAL CONSIDERATIONS

Incineration or disposal in accordance with local regulations for

non-hazardous substances.

14. TRANSPORTATION INFORMATION

No transport restrictions, no labeling.

15. REGULATORY INFORMATION

Labelling & Classification: not classified as hazardous.

16. OTHER INFORMATION

The information provided is based on our current level of knowledge and relates to the product in which it is delivered. It is not intended to guarantee any particular property.