

HANGZHOU ANGE TECHNOLOGY CO.,LTD

Signed for and on behalf of  
Ange Technology Co.,Ltd

Jack Mao

HANGZHOU ANGE TECHNOLOGY CO.,LTD

电话 / TEL: 86-571-88027358、88029758、86959727

传真 / FAX : 86-571-88029328

地址 / ADDRESS: 浙江省杭州市潮王路1号现代名苑10幢3-701

#3-701, Building 10, Xiandai mingyuan, No.1 Chaowang Road , Hangzhou City, 310004, China

## Material Safety Data Sheet

### 1 Identification of the substance/preparation and of the company/undertaking

**.Product details**

**.Trade name:** Hot Stamping Foil

**.Application of the substance:** Being stamped on packing materials (such as packing paper, packing boxes and cards).

**.Manufacturer/Supplier:** NINGBO SOOPACK FOREIGN TRADE CO., LTD

YUANSHI ROAD 66, NINGBO HI-TECH.ZONE, NINGBO CITY, ZHEJIANG PROVINCE, CHINA

**.Further information obtainable from:** NINGBO SOOPACK FOREIGN TRADE CO., LTD

**.Information in case of emergency:**

YUANSHI ROAD 66, NINGBO HI-TECH.ZONE, NINGBO CITY, ZHEJIANG PROVINCE, CHINA

Contact: Remi Zhu

Email: info@soopack.com

### 2 Composition/information on ingredients

**.Description:** Mixture of substances listed below with additions.

.Components Number:	CAS Number	Approximate(%)by Wt.Or Vol.
Polyester Film	113669-95-7	83~87%
Wax	232-315-6	2.7~3.45%
Amino Resin	9003-08-1	4.1~6.4%
Aluminum	7429-90-5	0.15~0.2%
Acrylic Resin	9003-04-1	6.0~7.0%

### 3 Hazards identification



F+

**.Risk Phrases:**

**.Potential Health Effects:**

**.Acute Effects:**

**.Contact with Eye:** In case of contact with this product, it will cause lightly irritation to eyes and symptoms may include redness and tear .

**.Skin:** No hazard is present for normal use.

**.Inhalation:** It may cause lightly harm to respiratory tract.

**.Ingestion:** If it is swallowed, it will cause irritation and symptoms may include nausea or vomiting.

**.Chronic Effects:** Not found.

**.Cancer Information:** For complete discussion of toxicology data refer to section 2.

**.Other Information:** Not applicable

#### **4 First aid measures**

**Persons using these products should consult a physician or other medical professional if an accident involving these products in injury. Specific first-aid measures are as follows:**

**.Eye Contact:** In case of contact of the dust when it is being processing or the fume from thermal decomposition, immediately open eyelids and flush eyes with plenty of cold water for at least 5 minutes. Get medical attention immediately if things don't get better.

**.Skin Contact:** In case of contact of this product when it is overheated, immediately flush skin with plenty of cold water for at least 5 minutes while removing contaminated clothing and shoes. Cover the irritant skin with an emollient. Thoroughly clean clothing and shoes before reuse. Get medical attention immediately if things don't get better.

**.Inhalation:** If the fume from thermal decomposition is inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**.Ingestion:** Do not induce vomiting if it is ingested in large quantity, but get medical attention immediately.

#### **5 Fire-fighting measures**

**.Extinguishing Media:** Dry chemical powder for small fire; Water spray, or alcohol resistant foam for large fire. Don't use water jet.

**.Special Fire Fighting Procedures:** Structural firefighters must wear self-contained breathing Apparatus and full protective equipment.

**.Unusual Fire and Explosion Hazards:** If involved in a fire, these products may ignite or decompose. Products of thermal decomposition can include produce toxic gases (e.g .carbon oxides, various hydrocarbons).

Explosion Sensitivity to Mechanical Impact: Not applicable.

Explosion Sensitivity to Static Discharge: Not applicable.

#### **6 Accidental release measures**

**.Personal precautions:** Use proper personal protective equipment as indicated in Section 8. Keep unprotected persons away.

**.Measures for Cleaning/Collection:**

Wear protective equipment to prevent skin and eye contact and breathing in dust. Work up wind or increase ventilation. Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labeled containers or drums for disposal.

**.Additional Information:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

#### **7 Handling and storage**

**The regulations relating to storage remises apply to workshop where the product is handled :**

**.Handling:** Do not breathe vapors or fumes that may be evolved during processing. Workers must wear proper protective equipments and must operate strictly according to relative rules.

**.Information about fire- and explosion protection:**

Keep ignition sources away-Do not smoke.

**.Storage:**

**.Requirements to be met by storerooms and receptacles:** Do not store near flame or incompatible materials. Maintain good housekeeping to control dust accumulations.

**.Information about storage in one common storage facility:** Not required.

**.Further information about storage condition:** None.

**8 Exposure controls/personal protection**

**The ingredients of which the exposure should be controlled.**

Ingredient Name	CAS	Workplace exposure limit	
		Long-term exposure limit(8-hour TWA reference period) mg.m <sup>-3</sup>	Short-term exposure limit(15-minute reference period) mg.m <sup>-3</sup>
Aluminum	7429-90-5	Inhalable dust 13mg.m <sup>-3</sup> Respirable dust 4mg.m <sup>-3</sup>	N/A

**.Engineering Controls:**

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

**.Personal Protective Equipment:**

**.Protection of Hands:**



Wear protective gloves and check them prior to each use for their proper condition.

**.Protection of Eyes:**



Wear tightly sealed goggles.

**.Protection of Respiratory Tract:**

Wear suitable respirator when high concentrations are present.

**.Protection of Body:**

Wear protective uniforms.

**.General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

**.Material of Gloves:**

The selection of suitable gloves not only depends on the material, but also on quality which will vary from manufacturer to manufacturer.

## 9 Physical and chemical properties

<b>.General Information</b>	
<b>Form:</b>	Rolls of foil on a support core
<b>Color:</b>	Golden and argentate
<b>Odor:</b>	Odorless
<b>.Change in condition</b>	
<b>Melting point/Melting range:</b>	250 °C
<b>Boiling point/Boiling range:</b>	Not available
<b>.Flash point:</b>	Not applicable
<b>.Self-igniting:</b>	Product is not self-igniting
<b>.Danger of explosion:</b>	Not available
<b>.Density:</b>	Not available
<b>.Relative density:</b>	Not available
<b>.Vapor density:</b>	Not available
<b>.Evaporation rate</b>	Not available
<b>.Solubility in/Miscibility with</b>	
<b>Water:</b>	Not miscible or difficult to mix
<b>.PH-Value:</b>	Not available
<b>.Viscosity:</b>	
<b>Dynamic:</b>	Not available

## 10 Stability and reactivity

**.Chemical Stability:** Stable under normal temperatures and pressures.

**.Decomposition Products:** Products of thermal decomposition can include produce toxic gases (e.g. carbon oxides, various hydrocarbons)..

**.Materials with which substance is incompatible:** None known.

**.Hazardous Polymerizations:** Will not occur.

**.Conditions to Avoid:** Avoid exposure or contact to extreme temperatures, incompatible chemicals.

## 11 Toxicological information

### .Product Toxicity Data:

LD 50 data of some components are shown in the table below:

Ingredient Name	CAS No.	LD50 (Oral Rat)
Wax	232-315-6	>2000 mg.kg
Amino Resin	9003-08-1	>10000 mg.kg

### .Potential Health Effects:

#### .Acute Effects:

**.Contact with Eye:** In case of contact with this product, it will cause slight irritation to eyes and symptoms may include redness and tear.

**.Skin:** No hazard is present for normal use.

- .Inhalation:** It may cause harm to respiratory tract.
- .Ingestion:** If it is swallowed, it will cause irritation and symptoms may include nausea or vomiting.
- .Chronic Effects:** Not found.
- .Cancer Information:** For complete discussion of toxicology data refer to section 2.
- .Other Information:** Not applicable

## 12 Ecological information

- .Information about elimination:** Biodegradable.
- .Additional ecological information:**
- .AOX-Indication:** This product does not contain organically bonded halogen compounds.
- .Effect of material on aquatic life:** DO NOT allow this product to go into aquatic life, or, it will do harm to aquatic life.
- .General Notes:**
- Do not allow product to reach ground water, water course or sewage system.
- Danger to drinking water if even small quantities leak into the ground.
- Do not allow material to be released to the environment without proper governmental permits.

## 13 Disposal considerations

### Dispose of in accordance with all applicable regulation.

- .Recommendation:**
- Do not allow product to reach sewage system.
- Disposal must be made according to official regulations.
- .Uncleaned packaging:**
- .Recommendation:**
- Disposal must be made according to official regulations.
- Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
- .Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## 14 Transport information

- .These products are not hazardous as defined by 49CFR 172.101 by the U.S. Department of Transportation.**
- .Proper shipping name:** Not regulated
- .Hazard class number and description:** Not applicable
- .Packing Group:** Not applicable
- .UN Identification:** Not applicable
- U.S. DOT:** Not applicable
- North American Emergency response guidebook number, 2000:** Not applicable
- .Marine Pollutant:** No component of these products is designated as a Marine Pollutant, per Appendix B to 49 CFR 172.101
- .Attention:**
- Check whether the package is completed or sealed before transporting; make sure there are no damage and no falling down of packages during transporting; the transport vehicle should be equipped with fire-fighting equipments and emergency facilities for handling with release; do NOT transport this product together with incompatible substances; stay away from fire and areas of high temperature during stopovers.

**15 Regulatory information**

**.TSCA 8 (b) Inventory Status:** The ingredient is not listed on the Toxic substances Control Act Inventory.

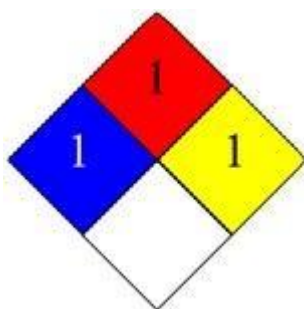
**.HMIS-rating (scale 0-4)**

Health	1
Flammability	1
Reactivity	1

Hazard Rating:

Least	Slight	Moderate	High	Extreme
0	1	2	3	4

Health = 1; Flammability = 1; Reactivity = 1



**Health = 1; Fire = 1; Reactivity = 1**

**.California Proposition 65:** Not applicable

**.DSCCL (EEC):**

**.Risk phrase:**

R22: Harmful if swallowed.

**.Safety phrase:**

S1: Keep it sealed.

S2: Store it in a place where kids cannot touch it.

S7: Keep container tightly closed.

S62: May induce vomiting if it is swallowed. Seek medical attention immediately and show the label or container to the doctor .

**16 Other information**

**DISCLAIMER: This data contained herein are furnished for information only and are believed to be reliable. However NINGBO SOOPACK FOREIGN TRADE CO., LTD doesn't assume responsibility for any results obtained by persons over whose methods are not controlled. It is the user's responsibility to determine the suitability of products from NINGBO SOOPACK FOREIGN TRADE CO., LTD or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any product from NINGBO SOOPACK FOREIGN TRADE CO., LTD further disclaims any liability for consequential or incidental damages of any kind, including lost profits.**

**.Department issuing MSDS: NINGBO SOOPACK FOREIGN TRADE CO., LTD**

**.Contact: Remi Zhu**

\*\*\*\*\**The End*\*\*\*\*\*