

# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: ABS edge banding  
Chemical Formula: Acrylonitrile-Butadiene-Styrene Copolymer  
Application: Thermoplastic edge banding for the furniture industry  
Company: **SINOWOLF PLASTIC DEKOR CO.,LTD.**  
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Preparation Date: 2012.01.10

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

The following substances are present in the product as listed below and identified as hazardous by the GB 13690-2009 HAZARD Communication standard.

| COMPONENT NAME             | CAS NUMBER | LEVEL IN PRODUCT       |
|----------------------------|------------|------------------------|
| ABS                        | 9003-56-9  | 85~99.8%               |
| Colorant Additives         | NDA        | 0-5%                   |
| Fillers                    | NDA        | <10%                   |
| Primer for Gluing          | NDA        | 0-50 gr/m <sup>2</sup> |
| UV Based Inks and Lacquers | NDA        | 0-50 gr/m <sup>2</sup> |

ABS Edgebanding is an inert material in its normal usage: all of the ingredients listed above are encapsulated in the ABS matrix and typical concentrations are indicated. The product does not meet the criteria of a substance.

## 3. HAZARD IDENTIFICATION

### EMERGENCY OVERVIEW:

The product is delivered in an edge banding form rolled and taped.

It may or may not have cardboard cores included. It is not classified; nor requiring labelling under GB 15258-2009 Hazards may include tripping if the tape becomes unwound and spills on the floor.

Burning or overheating edge tape could result in the generation of irritating vapors

These vapors may cause eye, skin and respiratory tract irritation.

### POTENTIAL HEALTH EFFECTS:

Eye: Product may shatter or break causing eye injury  
Skin: Product is unlikely to injure.  
Inhalation: Not expected to be acutely toxic. Avoid inhalation of dusts.  
Ingestion: Not expected to be acutely toxic. Precautions should be taken to prevent ingestion given the absence of specific toxicological studies.

## 4. FIRST AID MEASURES

**EYES:** Not acutely toxic.

**SKIN:** Not acutely toxic. Due to the nature of thin profiles, skin cuts can be obtained. Clean an bandage wound.

**INGESTION:** No probable route of exposure.

**INHALATION:** In cases of fire remove victim from source of vapors and provide fresh air. Seek medical attention.

## 5. FIRE FIGHTING MEASURES

Flammability properties for this product have not been established. ABS Edgebanding will burn if exposed to external sources of heat. In general, edge banding will not sustain combustion without exposure to heat from another source.

**EXTINGUISHING MEDIA:** Water: spray, foam, carbon dioxide, or dry chemical. Water is best due to cooling effect.

**HAZARDOUS COMBUSTION PRODUCTS:** Upon combustion or pyrolysis, edgebanding can evolve hydrogen chloride, carbon monoxide, carbon dioxide, various hydrocarbons and aromatic hydrocarbons, and other toxic gases accompanied by dense black smoke.

**FIRE FIGHTING INSTRUCTIONS:** self-contained pressure demand breathing apparatus and protective clothing. Continue cooling with water after fire is out to prevent pyrolysis and evolution of hazardous decomposition products.

## 6. ACCIDENTAL RELEASE MEASURES

**SPILL RESPONSE:** Not applicable – dusts or shavings should be swept up and disposed of according to local and federal regulations. Keep out of irrigation ditches, sewers and water supplies

## 7. HANDLING AND STORAGE

**HANDLING:** Product is delivered in roll form and boxed or bulk packaged.

**STORAGE:** Store in a clean, dry environment away from sources of extreme heat. Keep covered and do not allow dust to build up on stored product.

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Local ventilation if heating the product to the melting point.

**PERSONAL PROTECTION: EYES/FACE:** Safety Glasses to avoid injury from moving parts.

**Skin:** No hazards identified

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                         |            |                         |  |
|-------------------------|------------|-------------------------|--|
| <b>APPEARANCE</b>       | Edge tape  | <b>color</b>            | As customer request solid or wood design |
| <b>ODOR</b>             | Mild Odor  | <b>PHYSICAL STATE</b>   | solid                                    |
| <b>MELTING POINT</b>    | 100–120 °C | <b>SPECIFIC GRAVITY</b> | 1.02–1.1 g/m <sup>3</sup>                |
| <b>WATER SOLUBILITY</b> | Insoluble  | <b>OTHER DATA:</b>      | NO                                       |

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal anticipated storage conditions.

**CONDITIONS TO AVOID:** Avoid prolonged heating at temperatures above 150°C

**INCOMPATIBILITY:** Acids, oxidizing materials

**HAZARDOUS DECOMPOSITION PRODUCTS:** Heating and burning causes cyanides, ammonia, acrylonitrile, styrene, carbon oxides and nitrogen

## 11. TOXICOLOGICAL INFORMATION

Due to the product's physical and chemical properties, no significant toxicological properties or effects are anticipated.

## 12. ECOLOGICAL INFORMATION

Due to the product's physical and chemical properties, no significant ecological properties or effects are anticipated.

## 13. DISPOSAL CONSIDERATIONS

**SPECIAL INSTRUCTIONS:** Recycling of this product is recommended. Determine waste classification prior to disposal and landfill.

## 14. TRANSPORT INFORMATION

**DOT HAZARD CLASS:** Not regulated

**IMO DESCRIPTION:** Not a dangerous good

**ICAO/IATA DESCRIPTION:** Not a dangerous good

## 15. OTHER INFORMATION

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