

MATERIAL SAFETY DATA SHEET

SECTION 1 Chemical Product and Manufacturer's Identification

Chemical Name and Synonyms:	Polyvinyl Butyral Interlayer Film(PVB Film)	
Trade Name:	WINLITE®	
Chemical Family:	Plastic Interlayer	
Chemical Formula:		
Supplier Information:	Chang Chun Petrochemical Co., Ltd 301 Songkiang Road, 7 th Fl., Taipei, Taiwan, 10477 Tel: 886-2-25038131, 886-2-25001800 Fax: 886-2-25033378	
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SECTION 2 Hazards Identification

Inhalation:	No more than slightly toxic if inhaled.
Ingestion:	No more than slightly toxic if swallowed.
Skin Contact:	No more than slightly irritating to skin.
Eye Contact:	No more than slightly irritating to eyes.

SECTION 3 Composition / Information on Ingredients

Ingredient	CAS No	Percent
Polyvinyl Butyral	63148-65-2	65~75 %
<i>Triethylene glycol di-2-ethyl hexanoate</i>	94-28-0	25~35 %
<i>Small quantity of Additives (for example dye, pigment, stabilizer)</i>		

Emergency Overview

CAUTION! May form combustible dust concentrations in air. Nuisance dust.

Potential Health Effects

SECTION 4. First Aid Measures

Inhalation:	Immediate first aid is not likely to be required. Seek medical advice if irritation develops.
Ingestion:	Immediate first aid is not likely to be required. Seek medical advice if irritation develops.
Skin Contact:	Immediate first aid is not likely to be required. This material can be removed with water.
Eye Contact:	Immediate first aid is not likely to be required. This material can be removed with water.

SECTION 5 Fire Fighting Measures

Flammable properties: Flammable limits in air, % by volume: Upper: Not Applicable ; Lower: Not Applicable. Auto ignition temperature: Not Applicable
Fire: None know
Explosion: None know
Fire Extinguishing Media: Water spray, dry chemical, alcohol foam or Carbon Dioxide.
Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.

SECTION 6. Accidental Release Measures

Personal precautions : Use personal protection recommended in section 8
Environmental precautions : None
Methods for cleaning up : In case of spill, sweep, scoop or vacuum and remove. Flush residual spill area with water

SECTION 7. Handling and Storage

Handling : Handling in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from skin and eyes.
Storage : Storage in below 25°C. Storage in a clean, dry place.

SECTION 8. Exposure Controls/Personal Protection

Airborne Exposure Limits : No specific exposure limits has been established.
Ventilation System: No special requirement.
Personal Respirators: This material is not likely to present an airborne exposure concern under normal condition of use. Use approved respiratory protection equipment when airborne exposure is excessive.
Eye Protection: Use chemical safety goggles to avoid eye contact.
Skin Protection: Wear protective gloves and clean body-covering clothing.

SECTION 9. Physical and Chemical Properties

Appearance:	Translucent flexible plastic Sheet
Odor:	Mild.
Solubility	Insoluble in water.
Specific Gravity	1.05~1.10
pH	Not Applicable.
Boiling Point	220°C (Plasticizer ; 5mm Hg).
Melting Point	~100°C
Volatile Content	<1%
Vapor Density (Air=1)	Not Applicable.
Vapor Pressure (mm Hg):	Not Applicable.
Evaporation Rate (BuAc=1)	Not Applicable.

SECTION 10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products: acrolein ; butyraldehyde ; butyric acid ; crotonaldehyde; carbon monoxide(CO)
Hazardous Polymerization: Does not occur.
Incompatibilities: Strong oxidizers.
Conditions to Avoid: Heat, flame, ignition sources, and incompatibles.

SECTION 11. Toxicological Information

Polyvinyl butyral :
Oral LD50, rat, > 10,000 mg/kg bw.
Dermal LD50, rabbit >7,940 mg/kg bw..
Plasticizer
Oral LD50, rat, > 10,000 mg/kg bw.
Dermal LD50, rabbit >7,940 mg/kg bw.
Skin irritation: Not classified as irritating to skin.
Eye irritation : Slightly irritating to eyes but not sufficient for classification .
Carcinogenicity: Polyvinyl Butyral is not classifiable as to (its) carcinogenicity in humans".
Reproductive/Developmental Effects: No information available.
Repeated Exposure : No information available.

SECTION 12. Ecological Information

Ecotoxicity : No information available.
Environmental Fate/Biodegradation: No information available.

SECTION 13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Dispose of as a non-hazardous solid waste.

SECTION 14. Transport Information

This product is not classified as dangerous goods according to the international regulations for transport by land, inland waterway, sea and air.

SECTION 15. Regulatory Information

Chemical Inventory Status

Ingredient\Area	TSCA	EC	Japan	Australia
Polyvinyl Butyral	Yes	No	Yes	Yes

SECTION 16. Other Information

NFPA Ratings: Health: 0, Flammability: 1, Reactivity: 0
Label Hazard Warning:

Disclaimer:

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