



## Material Safety Data Sheet

*May be used to comply with OSHA's Hazard Communication Standard Complies with Federal requirements*

### I. Product and Company Information

Product Name : **Flexible Polyvinyl Chloride**  
(film, sheet, Grade code KGC030, Blue tint Film)

Common Name : PVC film, vinyl

Chemical Formula :  $(C_2H_3Cl)_n$

### II. Composition / Information on Ingredients

Compounded polyvinyl chloride is a fused compound of many ingredients. Hazardous ingredients, if present, remain encapsulated in the PVC film under conditions of normal use. See Section VI for Health Hazard Data. **Typical** composition are listed below:

Components	Wt. %	Remarks
Polyvinyl Chloride Resin	> 69	CAS No 9002-86-2
Plasticizers DINP/DOTP/DOP	> 28	CAS No 117-81-7
Epoxy Soybean Oil	< 2	CAS No 8013-07-8
Heat Stabilizers	< 1.5	Organometallic compounds of barium and/ or calcium-zinc (proprietary)

### III. Physical and Chemical Characteristics

Appearance : Films of varying size, hardness, and color

Oder : Mild

Boiling Point : Not applicable (solid)

Melting Point : Not applicable



Solubility in Water	: None
Specific Gravity (Water =1)	: 1.23
Vapor Density	: Not applicable
Vapor Pressure	: Not applicable
Evaporation Rate	: Not applicable

#### **IV. Fire and Explosion Hazard**

Flash Point	: Not applicable
Flammable Limits	: Not applicable
Extinguishing Media	: Water, dry chemicals
Special Fire Fighting Procedures	: Wear full bunker gear including a positive pressure self-contained breathing apparatus.
Unusual Fire and Explosion Hazard	: PVC evolves hydrogen chloride, carbon monoxide, other gases when burned. Exposure to combustion products may be fatal and should be avoided.

#### **V. Reactivity data**

Stability	: Stable under normal conditions
Hazardous Polymerization	: Will not occur
Incompatibility (Material to avoid)	: None

#### **VI. Health Hazard Data**



This material is supplied in a roll form. As such, it does not pose any physical or health hazards under normal use. **Material is not intended for use in burning applications.**

Route(s) of Entry

Inhalation : Not applicable

Skin Contact : Not applicable

Ingestion : Not applicable

Health Hazard (Acute and Chronic) : None

Medical Conditions Generally : None  
Aggravated Exposure

Emergency and First Aid Procedures : Not applicable

Effect of Overexposure : The material poses no known health hazard at ambient temperatures.

**VII. Precautions for Safe Handling and Use**

Steps to be taken in case : Not applicable  
Material is released or spilled.

Waste Disposal Method : Landfill or other approved disposal method in accordance with any applicable regulations under Resource Conservation and Recovery Act.

Other Precautions : None

**VIII. Control Measures**

Respiratory Protection : None Required

Ventilation : General ventilation should be sufficient to control odors. Good mechanical Ventilation is needed when material is heated,

Protective Gloves : Use when material is heated



Eye Protection  
workplaces.

: Recommended for all industrial

Other Protective Clothing  
Or Equipment

: Not applicable