



Hop Industries Corporation  
 1251 Valley Brook Avenue  
 Lyndhurst, New Jersey 07071  
 Tel: 201-438-6200 Fax: 201-438-5444

Hop Industries Corporation

**Manufacturer**

Nan Ya Plastics Corporation, USA  
 700 Highway 59 Loop RR, Wharton, Texas 77488

Telephone: (979) 532-5494 Fax: (979) 532-4836

Emergency: 800-424-9300 (CHEMTREC)

MSDS No: NPCTX001

Preparation Date: 08/20/2002

Supersedes Date: 09/14/2000

**1. PRODUCT IDENTIFICATION**

**Product Name:** PVC Film  
**Product Code:** BBB\*, BBF\*, BDC\*, BDD\*, BDL\*, BFB\*, BFF\*, BFV\*, BLG\*, BLO\*, BLT\*, BPA\*, BPG\*, BPL\*, BPT\*, BSA\*, BSF\*, BSG\*, BSR\*, BSS\*, BVA\*, BVD\*, BVJ\*, BVL\*, BVR\*, BVS\*, BZG\*, BZBB, BZCB, BWCB, BWDB, BWWB  
**Chemical Family:** Polymer of Chlorinated Hydrocarbon  
**Chemical Name:** Polyvinyl Chloride Film  
**CAS No:** Not Applicable  
**Synonyms:** Plastics Film, Rigid Film  
**Formula:** Proprietary  
**Technical Information:** (979) 532-5494  
 Could be specified in "C" – shiny on both sides, "G" – one side shiny while other side matte, or "B" – matte on both sides.

**2. PRODUCT INGREDIENTS**

No.	Components	CAS No.	Percent (%)	OSHA PEL
1	PVC	9002-86-2	80-85%	5 mg/M <sup>3</sup> (respirable dust)
2	Proprietary	Mixture	15-20%	Not established

**3. PHYSICAL/CHEMICAL PROPERTIES**

**Physical Form:** Solid sheet  
**Color:** Clear to Opaque  
**Odor:** Insignificant  
**Molecular Weight:** Ranging from 60,000 – 150,000  
**Boiling Point:** Not applicable  
**Melting Point:** Not established  
**Freezing Point:** Not applicable  
**Solubility in Water:** None  
**Specific Gravity:** 1.32-1.45 (water = 1)

<b>Vapor Density:</b>	Not applicable (air = 1)
<b>Evaporation Rate:</b>	None (Butyl Acetate = 1)
<b>Vapor Pressure:</b>	Not applicable
<b>% Volatile:</b>	None
<b>pH:</b>	Not applicable

The physical data presented above are typical values and should not be construed as a specification.

#### 4. FIRE HAZARD DATA AND FIGHTING METHOD

<b>Flash Point:</b>	Not applicable
<b>Auto ignition:</b>	Not applicable

##### Flammable Limits:

<b>In Air (LEL, %)</b>	Not applicable
<b>(UEL, %)</b>	Not applicable

**Extinguishing Media:** Dry chemical, foam water, or carbon dioxide

**Special Fire Fighting Procedure:** In the event of a fire, wear NIOSH approved, positive pressure, self-contained breathing apparatus (SCBA) and full protective clothing. Evacuate all personnel from danger area. Use dry chemical, foam, water, or carbon dioxide to extinguish fire.

**Unusual Fire and Explosion Hazards:** PVC will not continue to burn after ignition without an external fire source. However, when forced to burn, the major gaseous products of the combustion of PVC are carbon monoxide, carbon dioxide, and hydrogen chloride.

#### 5. HUMAN HEALTH DATA

**Emergency Overview:** During a Fire Emergency  
**Primary Route(s) of Exposure:**

●Inhalation                      ○Ingestion                      ●Eye                      ●Skin Contact

##### Potential Health Effects and Symptoms of Over-Exposure

During a fire emergency, when this product is burned it may generate smoke.

<b>Eye Contact:</b>	Smoke from a fire emergency may cause eye irritation
<b>Skin Contact:</b>	Hot melt plastics from a fire may cause burn to skin
<b>Inhalation:</b>	Smoke from a fire emergency may cause respiratory irritation
<b>Ingestion:</b>	Unlikely

##### Medical Conditions Aggravated by Overexposure:

Available toxicological information and the physical/chemical properties of the material suggest that there is no evidence that this product aggravates an existing medical condition.

<b>Carcinogenicity:</b>	<b>NPT: No IARC: No OSHA: No</b>
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## 6. FIRST AID MEASURES

<b>Eye Contact:</b>	Immediately flush eyes with water for at least 15 minutes. Do not rub the eyes. If irritation develops, consult a physician.
<b>Skin Contact:</b>	If burned by hot melt plastics, get medical attention immediately.
<b>Inhalation:</b>	If smoke is inhaled from burning plastics, remove to fresh air, if symptoms develop, seek immediate medical attention.
<b>Ingestion:</b>	Unlikely.
<b>Notes to Physician:</b>	Treat symptomatically and supportively.
<b>Other Instructions:</b>	Never give anything by mouth to an unconscious person.

## 7. EXPOSURE CONTROLS

### Personal Protection Recommendations

<b>Eye Protection:</b>	Wear safety glasses during film cutting or fabricating process
<b>Skin Protection:</b>	Wear gloves when cutting or fabricating film by hands.
<b>Respiratory Protection:</b>	Fire fighters should wear NIOSH approved self-contained breathing apparatus (SCBA) during fire emergency
<b>Engineering Control:</b>	Ventilation Requirements – <ul style="list-style-type: none"> <li>○ Local Exhaust    ○ Specific:</li> <li>● General</li> </ul>
<b>Required Work/ Hygiene Procedure:</b>	Do not eat, drink, or smoke in area. Wash hands thoroughly after handling, especially before eating, drinking, smoking, chewing, or using restroom facility.

### Exposure Guidelines:

No.	Components	OSHA-PEL	ACGIH-TLV
P	PVC Film	Not Applicable	Not Applicable

## 8. ACCIDENTAL RELEASE CONTROL MEASURES

**Response to Spills:** Not Applicable

## 9. HANDLING AND STORAGE

<b>Handling:</b>	Use with care. Wear gloves if necessary when cutting or fabricating film.
<b>Storage:</b>	Store in a cool, dry, well-ventilated area away from sources of extreme heat or fire.
<b>Container Use:</b>	Not Applicable

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Fire or extreme heat

**Hazardous Decomposition:** If burned it will generate carbon dioxide, carbon monoxide, hydrogen chloride

**Hazardous Polymerization:** Will not occur.

## 11. DISPOSAL CONSIDERATIONS

**Disposal Method:** It must be disposed of in accordance with Federal, State and local environmental control regulations.

**Recycle/Reclaim:** Recycling of PVC film should be encouraged where possible.

## 12. TRANSPORT INFORMATION

**DOT Shipping Name:** Not Listed  
**DOT Label:** Not Applicable  
**DOT Hazard Class:** Not Regulated  
**UN/NA Number:** Not Applicable  
**Hazard Label(s):** Not Applicable  
**Hazard Placard(s):** Not Applicable  
**Packing Group:** Not Applicable  
**Bulk Packaging:** Not Applicable  
**RQ:** Not Applicable  
**Emergency Response Guide (ERG) No.:** Not Applicable

## 13. TOXICOLOGICAL INFORMATION

The information provided below can be subject to misinterpretation. Therefore, it is essential the following information be interpreted by individuals trained in its evaluation.

Chemical	Toxicity Data
PVC Film	Not Applicable

## 14. ECOLOGICAL INFORMATION

No data is available on the adverse effects of this product on the environment.

## 15. REGULATORY INFORMATION

### FEDERAL REGULATORY INFORMATION

PVC Film

**OSHA Status:** Not listed, non-hazardous  
**EPA Clean Air Act:** Not Listed  
**EPA Clean Water Act:** Not Listed  
**TSCA Status:** All ingredients are listed on TSCA Inventory (40 CFR710)  
**CERCLA RQ:** Not listed

**SARA Title III**

PVC Film

Section 302\*

None

Section 313\*\*

None

Section 311/312\*\*\*

None

\*Reportable quantity of extremely hazardous substances, sec. 302

\* Threshold planning quantity, extremely hazardous substance, Sec. 302

\*\*Toxic chemical. Sec. 313

\*\*Category as required by Sec 313 (40CFR372.65C). Must be used on toxic Release Inventory Form.

\*\*\*Hazard category for SARA Sec. 311/312 reporting. H1=acute health hazard, H2=chronic health hazard, P3=fire hazard,

P4=sudden release of pressure hazard, P5=reactive hazard

**RCRA Status:**

It is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste (40CFR261.20-24).

**OTHER REGULATORY INFORMATION**

The following chemicals are specifically listed by individual states; other product-specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements, you should contact the appropriate agency in your state.

<u>State</u>	<u>Chemical</u>	<u>Regulation</u>
None	PVC Film	None

**Product Name:** PVC Film

**International**

None

**16. OTHER INFORMATION****NFPA**

Fire – 1

Health – 0

Reactivity – 0

Specific Hazard – None

**HMIS**

Health – 0

Flammability – 1

Reactivity – 0

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