



Hop Industries Corporation

Hop Industries Corporation
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Manufacturer

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

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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 ³ (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)

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

Flash Point:	Not applicable
Auto ignition:	Not applicable

Flammable Limits:	
In Air (LEL, %)	Not applicable
(UEL, %)	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.

Eye Contact: Smoke from a fire emergency may cause eye irritation
Skin Contact: Hot melt plastics from a fire may cause burn to skin
Inhalation: Smoke from a fire emergency may cause respiratory irritation
Ingestion: 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.

Carcinogenicity:	NPT: No IARC: No OSHA: No
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6. FIRST AID MEASURES

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

7. EXPOSURE CONTROLS

Personal Protection Recommendations

Eye Protection:	Wear safety glasses during film cutting or fabricating process
Skin Protection:	Wear gloves when cutting or fabricating film by hands.
Respiratory Protection:	Fire fighters should wear NIOSH approved self-contained breathing apparatus (SCBA) during fire emergency
Engineering Control:	Ventilation Requirements – <ul style="list-style-type: none"> ○ Local Exhaust ○ Specific: ● General
Required Work/ Hygiene Procedure:	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

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

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	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		
<u>Section 302*</u>	<u>Section 313**</u>	<u>Section 311/312***</u>
None	None	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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