SAFETY DATA SHEET

FLAME RETARDANT TINTED TRANSPARENT VINYL
334, 338, 332, 333, 322, 334, 325, 339

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

The Environmental Protection Agency prohibits processing and distribution of this chemical/product for any use other than: (1) In hydraulic fluids either for the aviation industry or to meet military specifications for safety and performance where no alternative chemical is available that meets U.S. Department of Defense specification requirements, (2) lubricants and greases, (3) new or replacement parts for motor and aerospace vehicles, (4) as an intermediate in the manufacture of cyanoacrylate glue, (5) in specialized engine air filters for locomotive and marine applications, and (6) in adhesives and sealants before January 6, 2025, after which use in adhesives and sealants is prohibited. In addition, all persons are prohibited from releasing PIP (3:1) to water during manufacturing, processing and distribution in commerce, and must follow all existing regulations and best practices to prevent the release of PIP (3:1) to water during the commercial use of PIP (3:1).; and

Product:	Flexible Polyvinyl Chloride (film and sheet)
Chemical Name & Synonym:	PVC film, Vinyl
Chemical Formula:	(C2H3Cl)n
Company:	Steiner Industries
Address:	5801 N. Tripp Avenue, Chicago, IL 60646
Emergency Telephone:	773-588-3444
Fax:	773-588-3450
Recommended Use:	Industrial curtains and partitions for welding, cutting, grinding stations and enclosures.

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture
The PVC product contains PIP 3:1 which is classified as hazardous. All other components are not classified.

The EPA in Section 40 CFR 751 has classified Phenol Isopropylated Phosphate 3:1 (PIP 3:1), a component in PVC film, as a bioaccumulative and toxic chemical under TSCA Part 751 section 6 (h) and to adhere to the said rulings.

Label elements
PIP 3:1 is labeled H361D, H361F Reproductive Toxicity H401, H410 Toxic to Aquatic Life

[Prevention]:
No GHS prevention statements f
[Response]:
No GHS prevention statements
[Storage]:
No GHS storage statements
[Disposal]:
Avoid release to environment

SECTION 3: COMPOSITION OF HAZARDOUS INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredients/Chemical Designations	Weight %	GHS Classification	Notes
PVC (Chloroethylene, polymer) CAS Number: 0009002-86-2	50 - 75	Not Classified	
DOTP CAS Number: 0006422-86-2	20 - 35	Not Classified	
PIP 3:1 CAS Number: 68937-41-7	15 - 25	H361D/F, H401, H410	

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin Remove contaminated clothing. Wash skin throughly with soap and water or use a recognized skin cleanser.

Ingestion If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Most Important Symptoms and Effects, both Acute and Delayed

Overview See section 2 for further details.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media Water, dry chemical

Specific Hazards Arising From the substance or mixture Hazardous decomposition: Under fire conditions, the product will decompose and give off hydrogen chloride fumes.

Advice for fire-fighters Thermal decomposition of fiber coating may produce an Irritating mixture of smoke and fumes. Fire fighters should wear full protective gear including NIOSH approved self-contained breathing apparatus.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures Put on appropriate personal protective equipment (see section 8)

Environmental precautions Use good personal hygiene practicies. Wash hands before eating, drinking, smoking or using toliet. Promptly remove soiled clothing and wash throughly before reuse.

Methods and Materials for Containment and Cleaning Up Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spilage with non-combustable materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent, Do not use solvents.

Do not allow spills to enter drains or watercourses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

SECTION 7: HANDLING & STORAGE

Precautions for Safe Handling See section 2 for further details. -[Prevention]:

Conditions for Safe Storage, including Incompatibilities Handle containers carefully to prevent damage and spillage.
Store away from heat.
Incompatible materials: No data availble.
See section 2 for further details. - [Storage]:

Specific end use(s) No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure

Case No.	Ingredient	Source	Value
0009002-86-2	PVC (Chloroethylene, polymer)	OSHA	No Established Limit
0006422-86-2	DOTP	ACGIH	TWA: 1 mg/m3
		NIOSH	No Established Limit
		OSHA	Not Determined
0068937-41-7	PIP 3:1	ACGIH	Not Determined

Carcinogen Data

CAS NO.	Ingredient	Source	Value
0009002-86-2	PVC (Chloroethylene, polymer)	OSHA	Select Carcinogen: Not classified
0006422-86-2	DOTP		
0068937-41-7	PIP 3:1	NTP	Not included
		IARC	Not classified

Exposure controls

Respiratory If workers are exposed to consentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes Eye protection is recommended for all industrial workplaces.

Skin Use when material is heated.

Engineering Controls General ventilation should be sufficient to control odors. Good mechanical ventilation is needed when material is heated.

Other Work Practicies Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash throughly before reuse.

See section 2 for further details. - [Prevention]:

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Clear, Tinted, and Opaque Solid
Odor:	Mild
Odor Threshold:	Not determined
pH:	Not measured
Melting point/Freezing Point:	Not measured
Initial Boiling Point and Boiling Range:	Not measured
Flash Point:	Not measured
Evaporation Rate(Ether = 1):	Not measured
Flammability (solid, gas):	Not applicable.
Upper/Lower Flammability or Explosive Limits:	Lower Explosive Limit: Not measured Upper Explosive Limit: Not measured
Vapor Pressure (Pa):	Not measured
Vapor Density:	Not measured
Specific Gravity:	1.15 to 1.6
Solubility in Water:	None.
Partition Coefficient: n-octanol/water (Log Kow):	Not measured
Auto-ignition Temperature:	Not measured
Decompositions Temperature:	Not measured
Viscosity (cSt):	Not measured
Other information	No other relevant information.

SECTION 10: STABILITY & REACTIVITY

Reactivity:	Hazardous Polymerization will not occur.
Chemical Stability:	Stable under normal circumstances.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	No data available.
Incompatible Material:	No data available.
Hazardous Decomposition Products:	Under fire condition, the product will decompose and give off hydrogen chloride fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Ingredient		Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC 50, ppm
PVC (chloroethylene, polmer) - (9002-86-2)		No data	No data	No data	No data	No data
DOTP - (6422-86-2)		available	available	available	available	available
PIP 3:1 Cas No: 68937-41-7		No data available	Mild irritant	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

PIP 3:1 Toxic to Aquatic life

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
PVC (Chloroethylene, polymer) - (9002-86-2)	Not available	Not available	Not available
DOTP - (6422-86-2)			
PIP 3:1 Cas NO: 68937-41-7	0.36mg/l rainbow trout & >1.3mg/l steelhead minnows	>1mg/l Shrimp	Not available

Persistence and degradability

There is no data available on the preparation itself.

Bioaccumulative potential - (PIP 3:1), a component of the PVC film, is bioaccumulative

Mobility in soil

No data available

Results of PBT and vPvB assessment

This product contains no PBT/v/PvB chemicals.

Other Adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods
Observe all fereral, state and local regulations when disposing of this substance.

SECTION 14: TRANSPORTATION INFORMATION DOT Shipping Information

	DOT (Domestic Surface Transportation)	IMO/IMDG (Ocean Transportation)	ICAO/IATA
UN number	Not Applicable	Not Regulated	Not Regulated
UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
Transport hazard class(es)	**DOT Hazard Class**: Not Applicable	**IMDG**: Not Applicable **Sub Class**: Not Applicable	**Air Class**: Not Applicable
Packing group	Not Applicable	Not Applicable	Not Applicable

Environmental hazards
IDMG Marine Pollutant: Toxic to aquatic life
Special precautions for user
No further information

SECTION 15: REGULATORY INFORMATION

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Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	The component (PIP 3:1) in the PVC film/product is listed under TSCA 40 CFR Part 751 Section 6(h).
WHMIS Classification	PIP 3:1 D2A very toxic chemical
US EPA Tier II Hazards	**Fire:** No **Sudden Release of Pressure:** No **Reactive:** No **Immediate (Acute)**: No **Delayed (Chronic**): No

EPCRA 311/312 Chemicals and RQs: Report
The PVC film containing (PIP 3:1) must follow the EPA ruling under TSCA 40 CFR Part 751 Section 6(h).

EPCRA 313 Toxic Chemicals:
Following rulings for (PIP 3:1) under EPA (TSCA 40 CFR Part 751 Section 6(h), effective 2/5/2021.

California Proposition 65 Listing does not include PIP 3:1. Pending EPA TSCA ruling.

SECTION 16: OTHER INFORMATION

The above information is believed to be accurate based on the most current data available. Steiner Industries makes no warranty, either expressed or implied, with respect to such information, and assumes no liability resulting from its use. Users are advised to conduct their own tests to determine the safety and suitability of each product or products combination for their own purpose. Steiner Industries shall not be liable for any claims, losses, or damages of any third party or for lost profits or incidental or consequential damages, howsoever arising even if Steiner Industries has been advised of the possibility of such damages.

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