

ACTIO MSDS ID: 896763

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**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION** 0331001

Product Name: **EX-CEL PVC Foam Sheet**  
 CAS Number: Not applicable

Chemical Family: Vinyl Polymers

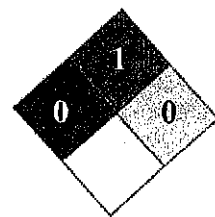
Chemical Formula: Proprietary

Manufacturer MSDS.: 0331001  
 Manufacturer Name: Jain Irrigation Systems, Ltd.  
 Address: Jain Fields, N.H.6  
 Bambhori, Jalgaon 425 001  
 India

Business Phone: + 91 (0) 257 225 00 11  
 Business Fax: + 91 (0) 257 225 11 11  
 Revision Date: 01.10.2002  
 Revision: 00

Chemical Name: Polyvinylchloride Sheet

**NFPA**



**HMIS**

HEALTH	0
FIRE	1
REACTIVITY	0
PPE	E

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**SECTION 2: COMPOSITION INFORMATION ON INGREDIENTS** 0331001

Ingredient Name	CAS#	Ingredient Percent
PVC Resin	9002-86-2	> 70%
OSHA PEL TWA:	5 mg/M3 (respirable dust)	
EC Index Number:	1	
Tin Stabilizer		< 2%
OSHA PEL TWA:	0.1 mg/M3 (as Sn)	
EC Index Number:	1	
	CAS No.: Not declared by supplier	
Calcium Carbonate	1317-65-3	< 20%
OSHA PEL TWA:	10 mg/M3 (total dust)	
EC Index Number:	1	
Titanium Dioxide	13463-67-7	< 15%
OSHA PEL TWA:	110 mg/M3 (total dust)	
EC Index Number:	1	
Proprietary	Mixtures	< 9%
OSHA PEL TWA:	Not established	
EC Index Number:	1	

[To Top of page](#)**SECTION 3 HAZARDS IDENTIFICATION**

0331001

Emergency Overview: During a Fire Emergency

**Applies to All Ingredients :**

Route of Exposure: Inhalation, Eye, Skin Contact

Potential Health Effects: 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: Molten plastics from a fire may cause skin burns

Inhalation: Smoke from a fire emergency may cause respiratory irritation

Ingestion: Unlikely

Carcinogenicity:

OSHA Designation: No

NTP Designation: No

IARC Designation: No

Aggravation of Pre-Existing Conditions: 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.

[To Top of page](#)**SECTION 4 FIRST AID MEASURES**

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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 molten plastics, get medical attention immediately

Inhalation: If smoke from burning plastics is inhaled, remove subject in fresh air immediately. If symptoms develop, seek immediate medical attention.

Ingestion: Unlikely

Note to Physicians: Treat symptomatically and supportively

Other First Aid: Other Instructions: Never give anything by mouth to an unconscious person

[To Top of page](#)**SECTION 5 FIRE FIGHTING MEASURES**

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Upper Flammable or Explosive Limit: In Air (%): Not Applicable

Lower Flammable or Explosive Limit: In Air (%): Not Applicable

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

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

Unusual Fire 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.

[To Top of page](#)**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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Spill Cleanup Measures: Not Applicable

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**SECTION 7: HANDLING and STORAGE**

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Handling: Use with care. Wear gloves if necessary when cutting or fabricating sheet

Storage: Store in a cool dry, well-ventilated area away from sources of extreme heat or Fire. Note: Electrical buildup is possible.

Hygiene Practices: Do not eat, drink, or smoke in work area. Wash hands thoroughly after handling, especially before eating, drinking, smoking, chewing, or using restroom facility.

Container Use: Not Applicable

[To Top of page](#)**SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION**

0331001

Ventilation System: General

Skin Protection Description: Wear gloves when cutting or fabricating sheet by hands

Eye/Face Protection: Wear safety glasses during sheet cutting or fabricating process

Respiratory Protection: Fire fighter should wear NIOSH approved self-contained breathing apparatus (SCBA) during fire emergency.  
Where work place conditions warrant, use breathing protection.

Exposure Limits: No.: P  
Components: PVC Sheet  
OSHA-PEL: Not Applicable  
ACGIH-TLV: Not Applicable  
Required work/Hygiene Procedure:  
Do not eat, drink, or smoke in work area. Wash hands thoroughly after handling, especially before eating, drinking, smoking, chewing, or using restroom facility.

[To Top of page](#)**SECTION 9: PHYSICAL and CHEMICAL PROPERTIES**

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Color: Finished sheet with colours specified

Odor: Insignificant

Physical State: Form: Solid

pH: Not Applicable

Vapor Pressure: Not applicable

Vapor Density: Not applicable (air = 1)

Boiling Point: Not Applicable

Freezing Point: Not Applicable

Melting Point: Not established

Solubility: In Water: None

Specific Gravity: > 0.85 (water = 1)

Evaporation Point: None (Butyl Acetate = 1)

Percent Volatile: None

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

[To Top of page](#)**SECTION 10: STABILITY and REACTIVITY**

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Chemical Stability: Stable

Conditions to Avoid: Fire or extreme heat

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: If burned, it will generate carbon dioxide, carbon monoxide, HCl

[To Top of page](#)**SECTION 11: TOXICOLOGICAL INFORMATION**

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**Toxicological Paragraph:** The information provided below can be subject to misinterpretation. Therefore, it is essential that following information be interpreted by individuals trained in its evaluation.

Chemical: PVC Sheet  
 Toxicity Data: A review of the scientific literature did not indicate specific toxicological information for PVC Sheet

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## SECTION 12: ECOLOGICAL INFORMATION

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**Ecological Paragraph:** No data is available on the adverse effects of this product on the environment.

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## SECTION 13: DISPOSAL CONSIDERATIONS

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

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

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## SECTION 14: TRANSPORT INFORMATION

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**DOT Shipping Information:** Hazard Placard(s): Not Applicable  
**DOT Shipping Name:** Not listed  
**DOT UN Number:** Not Applicable  
**DOT Hazard Class:** Not Regulated  
**DOT Packing Group:** Not Applicable  
**DOT Subpart E Labeling Requirement:** Not Applicable; Hazard Label(s): Not Applicable  
**DOT Bulk Packaging:** Not Applicable  
**Reportable Quantity:** Not Applicable  
**NAERG Number:** Not Applicable

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## SECTION 15: REGULATORY INFORMATION

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### Applies to all ingredients:

**TSCA 8(b): Inventory Status:** All ingredients are listed on TSCA inventory (40 CFR710)

**SARA:** SARA Title III: PVC Sheet

**Section 302:** Section 302\*: None \* Reportable quantity of extremely hazardous substance, Sec. 302  
 Threshold planning quantity, extremely hazardous substance, Sec. 302

**Section 304 CERCLA RQ:** Not listed

**Section 312 Hazard Category:** Section 311/312\*\*\*:  
 None \*\*\* 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

Section 313 Toxic Release Form: Section 313\*\*: None \*\* Toxic Chemical Sec. 313  
 \*\* Category as required by Sec. 313 (40CFR37263 C) must be used on Toxic Release Inventory form

Section 112(r): Clean Air Act EPA Clean Air Act Status: Not listed

Section 116.4 part 117: Clean Water Act EPA Clean Water Act Status: Not listed

OSHA 29 CFR 1200: OSHA Status: Not listed, non-hazardous

Regulatory Paragraph: Federal Regulatory Information: PVC Sheet

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.

State: Name  
 Chemical: PVC Sheet  
 Regulations: None  
 Product Name: PVC Sheet  
 International: None

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)

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## SECTION 16: ADDITIONAL INFORMATION

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HMIS:

Health Hazard: 0  
 Fire Hazard: 1  
 Reactivity: 0  
 Personal Protection: E

NFPA:

Health: 0  
 Fire Hazard: 1  
 Reactivity: 0  
 Specific Hazard: None

MSDS Revision Date: 01.10.2002  
 Revision: 00

Disclaimer:

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