

**MATERIAL SAFETY DATA SHEET**  
**NuCEDAR MILLS CLASSIC CLAPBOARD™, TRIMBOARD AND CORNERBOARD**

**1. PRODUCT IDENTIFICATION AND COMPANY**

MANUFACTURING SITE:	Jain Irrigation Systems Ltd.
ADDRESS:	Jain Fields, N.H.6, Bambhori, Jalgaon 425 001 (India)
PRODUCT NAME:	EX-CEL PVC Foam Sheet
CHEMICAL FAMILY:	Vinyl Polymers
CHEMICAL NAME:	Polyvinylchloride Sheet
CAS NUMBER(S):	Not Applicable
FORMULA:	Proprietary
TELEPHONE NO.:	+91 (0) 257 225 00 11
MSDS NUMBER:	0331001
REVISION:	01
DATE:	10.06.2003

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Components</u>	<u>CAS No.</u>	<u>Percent</u>	<u>Exposure Limits</u>
PVC Resin	9002-86-2	<70%	TLV (ACGIH-USA) TWA = 10 mg/M <sup>3</sup> (Inhalable PNOC) OES(HSE-UK) TWA = 10 mg/M <sup>3</sup> (Inhalable PNOC) TLV (ACGIH-USA) TWA = 3 mg/M <sup>3</sup> (Respirable PNOC)
Tin Stabilizer	Not declared by supplier	<2%	ACGIH TWA & OSHA_TRANS PEL = 0.1 mg/M <sup>3</sup> (as Sn) ACGIH STEL (skin) = 0.2 mg/M <sup>3</sup> (as Sn)
Calcium Carbonate	1317-65-3	<20%	TLV 5 mg/M <sup>3</sup> in air
Titanium Dioxide	13463-67-7	<15%	PEL (OSHA) 15 mg/M <sup>3</sup> total dust, 8 Hr. TWA TLV (ACGIH) 10 mg/M <sup>3</sup> total dust, 8 Hr. TWA
Proprietary	Mixtures	<9%	Not established

**3. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL FORM:	Solid
COLOR:	Finished sheet with colors specified
ODOR:	Insignificant
BOILING POINT:	Not Applicable
MELTING POINT:	Not Established
FREEZING POINT:	Not Applicable
SOLUBILITY IN WATER:	None
SPECIFIC GRAVITY (Water = 1):	<0.85
VAPOR DENSITY:	Not Applicable
EVAPORATION RATE:	None (Butyl Acetate = 1)
VAPOR PRESSURE (mm Hg.):	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 METHODS**

FLAMMABLE LIMITS IN AIR:	
LOWER (LEL, %):	Not applicable
UPPER (UEL, %):	Not applicable
EXTINGUISHING MEDIA:	Dry chemical, foam water, or carbon dioxide
SPECIAL FIRE FIGHTING PROCEDURES:	In the event of fire, wear NIOSH approved, positive pressure, self-contained breathing apparatus (SCBA) Full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARD: Evacuate all personnel from danger area. Use dry chemical, foam, water or carbon dioxide to extinguish fire. 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 PBC are carbon monoxide, carbon dioxide, and hydrogen chloride.

## 5. HUMAN HEALTH DATA

EMERGENCY OVERVIEW: During a fire emergency  
PRIMARY ROUTE(S) OF EXPOSURE: Inhalation, 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: Molten plastics from a fire may cause skin burns  
INGESTION: Unlikely  
MEDICAL CONDITIONS AGGRAVATED BY OVER-EXPOSURE: 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. LARC: No. OSHA: No.

## 6. FIRST AID MEASURES

EYE CONTACT: Immediately flush 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  
NOTES TO PHYSICIAN: Treat symptomatically and supportively  
OTHER INSTRUCTIONS: Never give anything by mouth to an unconscious person.

## 7. EXPOSURE CONTROLS & PERSONAL PROTECTION RECOMMENDATION

EYE PROTECTION: Wear safety glasses during sheet cutting or fabricating process.  
SKIN PROTECTION: Wear gloves when cutting or fabricating sheet by hands.  
RESPIRATORY PROTECTION: Fire fighter should wear NIOSH approved self-contained breathing apparatus (SCBA) during fire emergency. Where work place conditions warrant, use breathing protection.  
ENGINEERING CONTROL: General ventilation requirement  
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.  
EXPOSURE GUIDELINES  
NO.: P  
COMPONENTS: PVC Sheet  
OSHA-PEL: Not Applicable  
ACGTH-TLV: 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 sheet.
STORAGE:	Store in a cool dry, well-ventilated area away from sources of extreme heat of fire. Note: Electrical buildup is possible.
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, HCl
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 sheet should be encouraged where possible

## 12. TRANSPORT INFORMATION

DOT SHIPPING NAME:	Not listed
DOT LABEL:	Not Applicable
DOT HAZARD GLASS:	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 that following information be interpreted by individuals trained in its evaluation.

CHEMICAL TOXICITY DATA	PVC Sheet A review of the scientific literature did not indicate specific toxicological information for PVC sheet.
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## 14. ECOLOGICAL INFORMATION

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

## 15. REGULATORY INFORMATION

FEDERAL REGULATORY INFORMATION:	PVC sheet
OSHA STATUS:	Not listed, non-hazardous
EPA CLEAN AIR ACT STATUS:	Not listed
EPA CLEAN WATER ACT STATUS:	Not listed
TSCA STATUS:	All ingredients are listed on TSCA inventory (40 CFR710)
CERCLA RQ:	Not listed
SARA TITLE III:	PVC sheet
SECTION 302*:	None

SECTION 313**	*Reportable quantity of extremely hazardous substance, Sec. 302. Threshold planning quantity, extremely hazardous substance, Sec. 302 None **Toxic Chemical Sec. 313
SECTION 311/312***	**Category as required by Sec. 313 (40CFR37263 C) must be used on Toxic Release Inventory form. 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
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.

STATE	Name
CHEMICAL	PVC Sheet
REGULATIONS	None
PRODUCT NAME	PVC Sheet
INTERNATIONAL	None

**16. OTHER INFORMATION**

NFPA	HMIS
FIRE – 1	HEALTH – 0
HEALTH – 0	FLAMMABILITY – 1
REACTIVITY – 0	REACTIVITY – 0
SPECIFIC HAZARD – NONE	PERSONAL PROTECTION INDEX – E

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