

ECHON IND. LTD.

Material Safety Data Sheet

MANUFACTURER

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MSDS No: PVC Sheet

Preparation Date: May – 2007
Supersedes Date: June – 1998

Emergency:

1. PRODUCT IDENTIFICATION

Product Name: PVC Sheet
Product Code: Integral Foam, , Foam board
Chemical Family: Polymer of Chlorinated Hydrocarbon
Chemical Name: Polyvinyl Chloride
CAS No: 9002-86-2
Synonyms: Rigid PVC Sheet (Type I and II), Expanded Foam PVC Sheet, Expanded Foam PVC Sheet, Wood PVC sheet, Celluka PVC Sheet, Wood/PVC Composite Sheet

Formula: Proprietary

Technical Information: (

2. PRODUCT INGREDIENTS

<u>No.</u>	<u>Components</u>	<u>CAS No.</u>	<u>Percent (%)</u>	<u>OSHA PEL</u>
1	PVC	9002-86-2	50 - 100%	5 mg/M ₃ (respirable dust)
2	Proprietary	Mixtures	0 - 50%	Not established

3. PHYSICAL/CHEMICAL PROPERTIES

Physical Form: Solid Sheet
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: 0.4 - 2.0 (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
Autoignition: 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:

This product is nonflammable and nonexplosive under normal conditions of use. It will not continue to burn after ignition without an external fire source. 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, avoid inhalation, eye and skin contacts.

Primary Route(s) of Exposure: Inhalation, Eye, Skin Contact

Potential Health Effects and Symptoms of Over-Exposure

Eye Contact: Dust may cause eye irritation
Skin Contact: May cause skin irritation
Inhalation: May cause discomfort in nose and throat
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: NTP: No IARC: No OSHA: No

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: Wash affected skin areas with soap and water. If irritation develops, get medical attentions immediately
Inhalation: Remove subject 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 sheet cutting or fabricating process
Skin Protection: Wear gloves and long sleeved clothing when cutting or fabricating sheets.
Respiratory Protection: Use NIOSH/MAHA approved dust respirators as needed.
Engineering Control: Ventilation Requirements – Local Exhaust
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.	Components	OSHA-PEL	ACGIH-TLV
1	PVC	5 mg/M3 (as respirable dust)	10 mg/M3 (as nuisance dust)

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 or fire.
Container Use: Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: Avoid fire or elevated temperature above 250°C.
Hazardous Decomposition: If burned, it will generate carbon dioxide, carbon monoxide and 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 sheet 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 that the following information be interpreted by individuals trained in its evaluation.

Chemical	Toxicity Data
PVC	orl-rat TDLo: 210 g/kg/30W-C:ETA

14. ECOLOGICAL INFORMATION

No data is available on the adverse effects of this product on the environment. Neither COD nor BOD data are available.

15. REGULATORY INFORMATION

FEDERAL REGULATORY INFORMATION

OSHA Status:	Not listed
EPA Clean Air Act Status:	Not listed
EPA Clean Water Act Status:	Not listed
TSCA Status:	PVC is listed on TSCA Inventory (40 CFR710)
CERCLA RQ:	Not listed

SARA Title III
PVC

Section 302*	Section 313**	Section 311/312***
None	None	None

*Reportable quantity of extremely hazardous substance, 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: The product is not an RCRA hazardous waste either by listing or by characteristic. However, under RCRA, 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	Chemical	Regulation
Texas	PVC	Effects Screening Level (ESL) List: short term 50 ug/M3; long term 5 ug/M3
California		Proposition 65: warning – this product contains a chemical, residual VCM, known to the state of California to cause cancer

Product Name: PVC Sheet

International

United Kingdom Occupational Exposure Standards: TWAs total inhalable dust 10 mg/M³ TWA;
Respirable dust 5mg/M³

Germany MAK Value: fine dusts 5 mg/M³ MAK

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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