

Kleer™ Material Safety Data Sheet



1. Product Identification

Product Name: **Kleer™**
Manufacturer: Kleer Lumber LLC
Chemical Family: Vinyl Polymer
Chemical Name: Polyvinylchloride Sheet
MSDS No.: 033101
Formula: Proprietary
Technical Information: 413-572-1700

2. Composition

No.	Components	CAS No.	Percent	OSHA PEL
1	PVC Resin	9002-86-2	>50%	10 mg/M ³
2	Calcium Carbonate	1317-65-3	<20%	5 mg/M ³
3	Titanium Dioxide	13463-67-7	<15%	15 mg/M ³
4	Proprietary	Mixtures	< 9%	Not estblshd

3. Physical and Chemical Properties

Physical Foam	Solid
Color	Finished sheet with colors specified
Odor	Insignificant
Molecular Weight	Ranging from 60,000 to 150,000
Boiling Point	Not Applicable
Melting Point	Not Applicable
Freezing Point	Not Applicable
Solubility in Water	None
Specific Gravity	0 - 50 - 1.55 (water = 1)
Vapor Density	Not Applicable (air = 1)
Evaporation rate	None (Butyl Acetate = 1)
Vapor Pressure	Not Applicable
% Volatile	None
pH	Not Applicable

4. Fire Hazard Data and Fighting Methods

Flammable Limits in Air	Not Applicable
(LEL, %)	Not Applicable
(UEL, %)	Not Applicable
Extinguishing Media	Dry chemical, foam, water, or carbon dioxide
Special Fire Fighting Procedure	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. PVC will not continue to burn after ignition without an external fire source. However, when forced to burn the gaseous products of the combustion of PVC are carbon monoxide, carbon dioxide, and hydrogen chloride.
Unusual Fire and Explosion Hazard	

5. Human Health Data

Emergency Overview	During a Fire Emergency
Primary Root(s) of Exposure	Inhalation, eye, skin contact
Potential Health Effects and Symptoms Of Overexposure	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
Medical Conditions Aggravated by Over exposure	Available toxicological information 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 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 to 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 and Personal Protection Recommendation

Eye Protection	Wear safety glasses during sheet cutting or fabricating process
Skin Protection	Wear gloves when cutting or fabricating sheets by hand
Respiratory Protection	Fire Fighter should wear NIOSH approved self-contained breathing apparatus (SCBA) during a fire emergency
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 or fire. Note: electrical build up is possible.
Container Use: Not Applicable

10. Stability and Reactivity

Stability Stable
Conditions to Avoid Fire or extreme heat
Hazardous Decomposition If burned, 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
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 evaluation

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

14. Ecological Information

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

15. Other information

HFPA HMIS
Fire - 1 Health - 0
Health - 0 Flammability - 1
Reactivity - 0 Reactivity - 0
Specific Hazard - None Personal Protection Index - E

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