

MATERIAL SAFETY DATA SHEET

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1. IDENTIFICATION OF THE ARTICLE

Product Name: PVC SHEET

2. PRODUCT IDENTIFIICATION

Chemical Name or Synonyms: Poly Vinyl Chloride

3. PRODUCT COMPONENTS

COMPONENTS	CAS REG. NO.	WEIGHT (%)
1. PVC	9002-86-2	75~81
2. Calcium zinc stabilizer		2.4~2.8
3. Filler (Mainly Caco3)		4.5~13.5
4. Process Aid		4.0~6.0
5. Lubricant		1.0~1.9
6. Pigment		1.6~2.5

4. PHYSICAL PROPERTIES

Appearance:	Foam color planar sheet
Odor:	N / A
Viscosity:	N / A
Melting Point:	N / A
Boiling Point:	N / A
Vapor Pressure:	N / A
Vapor Density:	N / A(Air=1)
Specific Gravity:	0.45~0.9@25°C (Water=1)
PH:	N / A
Solubility in Water:	Negligible
Volatility:	Negligible (Weight %)

5. FIRE AND EXPLOSION HAZARD INFORMATION

Flash Point: N / A
 Auto Ignition Temperature: N / A
 Upper Explosion Limit(%): N / A
 Lower Explosion Limit(%): N / A
 Extinguishing Media: Dry chemical water
 Fire protection Equipment: Wear self-contained, positive pressure breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
 Unusual Fire And Explosion Hazard: Powdered material may form explosive dust-air mixtures.

6. WORKPLACE EXPOSURE

<u>COMPONENTS</u>	<u>OSHA</u>	
	<u>PEL</u>	<u>STEL</u>
1. PVC sheet	None	None
2. Nuisance dusts (As particulates)	5mg/m ³	None

7. HAZARD INFORMATION

Hazard Scale: 0 = Insignificant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme
 Health Designation: 1; Fire Designation: 1; Reactivity Designation: 0
 Inhalation: Inhalation of vapors from heated product can cause nausea, headache, dizziness as well as irritation of lungs, nose, and throat.
 Eye Contact: Vapors from heated product can irritate the eyes.
 Ingestion: Low hazard associated with normal conditions.
 Skin Contact: Possible skin irritation. Contact with molten material result burns.
 Carcinogenicity: N/A

8. EMERGENCY AND FIRST AID PROCEDURES

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist.
 Eye Contact: If molten material contacts the eye, immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention immediately.
 Ingestion: Material is not expected to be absorbed from the gastrointestinal tract so that induction of vomiting should not be necessary.
 Skin Contact: If burned by contact with molten material, cool as quickly as possible. Do not peel material from skin. Get medical attention.

9. REACTIVITY INFORMATION

Stability: Stable
 Conditions to Avoid: None
 Hazardous Decomposition: Thermal decomposition or combustion may emit

Decomposition: vapors, carbon
Carbon monoxide, or carbon dioxide or hydrochloric acid.

10. SPILL OR LEAK INFORMATION

Sweep or scoop up and remove.

11. WASTE DISPOSAL

Landfill or incinerate at a facility that complies with local, state and federal regulations.

12. EXPOSURE CONTROLS / PERSONAL PROTECTION MEASURES

Respiratory Protection: None required under normal conditions. See Section 13.

Hand Protection: Canvas or cotton gloves.

Eye Protection: It is a good industrial hygiene practice to minimize eye contact.
Wear a face shield when working with molten material.

Ventilation: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstance such as poorly ventilated spaces, mechanical generation of dusts, heating, drying, etc.

13. STORAGE AND HANDLING INFORMATION

Maximum Storage N/A

Storage Measures: If material is stored under ambient temperature conditions, it is not hazardous. Avoid contact with molten material.

Handling Measures: Keep away from fire. Blower collecting and local exhaust ventilation systems should be installed to prevent contaminant dispersion into the air. Sawing of this product generates particulates regulated as "inert" or "nuisance" dusts. To minimize dust emissions, engineering controls should be employed. such as bag house filters and cyclone separators.

14. GLOSSARY

Mg/m³: milligrams per cubic meter (concentration)

MSHA: Mine Safety and Health Administration

N / A : Not Applicable or Not Available

NIOSH: National Institute for Occupational Safety and health

OSHA: Occupational Safety and health Administration (Department of Labor)

PEL: Permissible Exposure Limit (time-weighted average)

PET: Poly Ethylene Terephthalate

STEL: Short-Term Exposure Limit (15-minute)