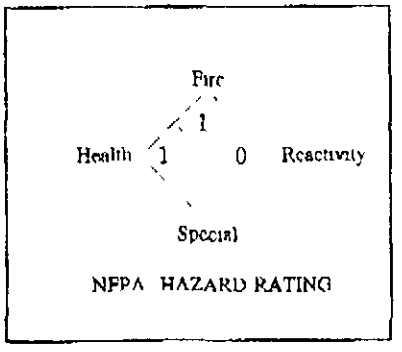
Georgia Gulf

Material Safety Data Sheet: PVC 1110

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION



Product name	**PVC 1110**
Effective Date	January 14, 1994
Synonyms	Polyvinyl Chloride resin, PVC resin, chloroethylene polymer, chloroethylene homopolymer
Chemical Formula	$(C_2H_3Cl)_n$
CAS Name & No	Chloroethylene polymer, [9002-86-2]
Manufacturer's name and address	Georgia Gulf Corporation PVC Division Headquarters P O Box 629 Plaquemine LA 70765-0629
Emergency telephone number	Chemtrec (800) 424-9300 Use only in the event of chemical emergencies involving a spill, leak, fire or exposure or accident involving chemicals
MSDS Contact	P.L. Logue, Industrial Hygienist P.O. Box 629 Plaquemine, LA 70765-0629 Phone Number (504) 389-2642 Monday - Friday 7:30 a m until 4 00 p m C T

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	WT%
Polyvinyl Chloride Resin	9002-86-2	99 5 - 99 9%
Proprietary Additives	xx-xx-x	0.1-0 5%

3. HAZARDS IDENTIFICATION

PRECAUTIONARY INFORMATION

Caution: Eye irritation is possible if solid material enters the eye. HCl can be liberated at elevated temperatures.

POTENTIAL HEALTH EFFECTS

Primary Routes of Exposure: Inhalation of process emissions

Eye: Solid or dust may cause irritation or scratch the surface of the eye.

Skin Contact: Not considered hazardous by this route

Skin Absorption: This material is a dry solid powder, no absorption is likely to occur.

Ingestion: No effect expected If large amount is ingested get medical attention

Inhalation: Inhalation of process emissions can cause throat and lung irritation Exposure to low levels of PVC dust is not expected to present a hazard

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3. HAZARDS IDENTIFICATION CONTINUED

Chronic Effects/Carcinogenic:
Chronic exposure to fumes and vapors from thermally decomposed plastics may cause an asthma like syndrome due to the inhalation of HCl vapors or fumes

IARC has determined that there is inadequate evidence of carcinogenicity of polyvinyl chloride in both animals and humans The overall evaluation of this chemical is Group 3, meaning that it is not classifiable as a carcinogen (IARC Vol 19, 1979) Polyvinyl chloride is not listed as a carcinogen by OSHA, NIOSH, NTP, or EPA.

4. FIRST AID MEASURES

Inhalation
No adverse effects anticipated by breathing small amounts during proper industrial handling If high dust exposure occurs remove victim to fresh air

Skin Contact
Wash off in flowing water or shower

Eye Contact
Immediately flush with water for at least 15 minutes Do not rub the eyes Obtain medical attention if eye irritation occurs

Ingestion
This material is practically inert If, however, ingestion does occur vomiting can be induced after diluting with water or milk. Call a physician for additional medical advice

5. FIRE FIGHTING MEASURES

Flash Ignition Temperature	> 730°F
Flammable Limits (% By Vol.)	
Lower Explosive Limit (LEL)	Not Applicable
Upper Explosive Limit (UEL)	Not Applicable
Autoignition Temperature	Not Applicable

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5. FIRE FIGHTING MEASURES CONTINUED

Fire Fighting Procedures/Fire Extinguishing Media

Carbon dioxide or water

Unusual Fire and Explosion Hazards

Dense smoke emitted when burned without sufficient oxygen

PVC will not continue to burn after ignition without an external fire source

Do not allow fire fighting runoff water to enter streams, rivers or lakes The water will collect HCl from the by-products of combustion

Fire-Fighting Equipment

Wear full bunker gear including a positive pressure self contained breathing apparatus in any closed space

6. ACCIDENTAL RELEASE MEASURES

Sweep or vacuum material and place in a disposal container See Section 11

7. HANDLING AND STORAGE

Avoid contact with eyes Avoid breathing dust Minimize dust generation and accumulation Store in dry protected area

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines Good ventilation should be sufficient for most conditions

Respiratory Protection

For most conditions, no respiratory protection should be needed, however, in dusty atmospheres, use an approved dust respirator

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION CONTINUED

Eye Protection

Use safety glasses If there is a potential for exposure to particles which could cause mechanical injury to the eye, wear chemical goggles

Skin Protection

No precautions other than clean clothing should be needed

Exposure Guidelines

OSHA 8-hour TWA is 15 mg/m^3 total dust, and 5 mg/m^3 respirable dust ACGIH TLV for total dust is 10 mg/m^3

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White powder
Odor	Odorless
Boiling Point, Melting Point, Freezing Point	Not Applicable
Specific Gravity (Water = 1 0)	1 39
Vapor Pressure (mm of Mercury)	<0 1
pH	Not Applicable - Solid

10. STABILITY AND REACTIVITY

Stability

Stable _XX_ Unstable ___

Polymerization

Hazardous polymerization will not occur

Hazardous Decomposition Products

Temperatures of 300°F, (150°C) over an extended period of time may cause thermal degradation of PVC resin. The formation of hydrochloric acid HCl, may be generated during this thermal degradation HCl fumes and vapors may cause irritation of the eyes, mucous membrane and respiratory tract

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10. STABILITY AND REACTIVITY CONTINUED

Incompatible Materials

Polyvinyl chloride materials should not come into contact with acetal or acetal copolymers in elevated temperature processing equipment The two materials are not compatible and will react in a violent decomposition when mixed under conditions or heat and pressure Strong oxidizing agents

11. DISPOSAL CONSIDERATIONS

Waste Management Information. Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules)

12. TRANSPORTATION INFORMATION

Proper Shipping Name	Polyvinyl Chloride
DOT - Hazard Class	None
DOT - Shipping ID No	None
DOT - Labeling	None

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13. REGULATORY INFORMATION

OSHA 29 CFR 1910.1017 - - - - -: This resin may contain trace levels, <0 0005%, of VCM Under normal working conditions with adequate ventilation, neither the OSHA's 8-hour TWA, (1ppm) nor the (0 5 ppm) action level should be exceeded. The workplace should be monitored, and if the level exceeds the PEL or action level, refer to 29 CFR 1910.1017 In addition, containers of PVC resin shall be legibly labeled with the following warning

Polyvinyl Chloride
Contains
Vinyl Chloride
Vinyl Chloride is a Cancer Suspect Agent

14. OTHER INFORMATION

MSDS Status: Revision Date 1/14/94 Supersedes 1/15/90