

U.S. DEPARTMENT OF LABOR
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
MATERIAL SAFETY DATA SHEET
REQUIRED UNDER USDL SAFETY AND HEALTH REGULATION FOR SHIP REPAIRING, SHIPBUILDING, AND SHIPBREAKING (29 CFR 1915, 1916, 1917)

Identity (As used on label and list): Polyvinyl chloride tapes (41N)	
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Section I

Manufacturer's Name: ACHEM TECHNOLOGY CORPORATION Address : 161,Minfu Rd.,Sec. 2, Juiyuan Li,Yangmei, Taoyuan 326, Taiwan,ROC	Emergency Telephone Number 886-3-472-3111 EXT 3628 Telephone Number for Information 886-2-2533-2250
	Date Prepared:2002/07/9
	Signature of Preparer (Optional)

Section II- Hazardous Ingredients/ Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))			OSHA PEL	ACGIH TLV	Other Limits
Chemical Name	%	CAS No.			
Rubber Adhesive	13-17				
PVC resin	52-57	9002-86-2			
Plasticizers (Diethyl hexyl phthalate)	18-22	117-81-7			
Lead stabilizer compound	7000 PPM↓				
Filler	5 - 10				
Pigment	0.5 - 2				
Toluene	0 - 1				

Section III- Physical / Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O=1)	1.25-1.45
Vapor Pressure (mm Hg)	N/A	Softening Point	>80□
Vapor Density (Air=1)	N/A	Evaporation Rates (Butyl Acetates=1)	N/A
Solubility in Water	N/A	Decomposition Temperature	260(□)/500°F
Appearance and Odor			

Section IV- Fire and Explosion Hazard Data

Flash Point (Method Used): 320-390□ (ASTM D-1929)	Flammable Limits: N/A	LEL	UEL
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Extinguishing Media: water, dry chemical foam, CO₂

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes

Unusual Fire and Explosion Hazards:

Any vinyl can be forced to burn by continuous application of intense Heat

Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid
	Stable X	V

Incompatibility (Materials to Avoid) : Not Know

Hazardous Decomposition of By-Products : Co2, Co, HCL & some toxic gases

Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur X	V

Section VI - Health Hazard Data

Route(s) of Entry: Inhalation

There are no instances of health hazard when handling unheated product. When heated at high temperature, it will thermally degrade and decompose and produce fumes.

Health Hazards (Acute and Chronic) Inhalation of such fumes may irritate nose ,throat and lungs depending on concentration and duration of exposure.
Lead fumes may occur possibly causing anorexia, vomiting,malaise,convulsions due to increased intracranial pressure.

OSHA Regulated N/A

Signs and Symptoms of Exposure Fumes overexposure may cause cough ,headache and drowsiness.

Medical Conditions Generally Aggravated by Exposure 1.Remove the fuming material or remove to fresh air.
2.Call a physician.

Emergency and Fire Aid Procedures : If irritation persists from processing vapors or decomposition products, remove individual from the area.

Section VII- Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

N/A

Waste Disposal Method

Use approved disposal methods as recommended by stateand local agencies.

Precautions to Be Taken in Handling and Storing

stored in cool, dry, well-ventilated area, away from flammable materials or sources of heat and flame

Other Precautions

None

Section VIII- Control Measures

Respiratory Protection (Specify Type) : Not Needed

Ventilation	Local Exhaust: not needed	Special: N/A
	Mechanical (General): recommended	Other
Protective Gloves:Not needed	Eye Protection: recommended for all workplaces	

Other Protective Clothing or Equipment: Not needed

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