

SHEET 0716680

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GLOBE INDUSTRIES CORPORATION MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION DATE: MAY 15, 2000

Trade Name: PVC Adhesive Tape

Chemical Name: Polyvinyl chloride Adhesive Tape

Components: This material is composed by the following ingredients:

Substrate: Plasticized Polyvinyl - chloride film

Primer: Synthetic rubber, Monomer, Accelerator

Adhesive: Natural rubber base adhesive

Manufacturer's Name: Globe Industries Corporation

Address: 7F. No. 61, sec 3, Nan-King East Road, Taipei, Taiwan, R.O.C.

Phone No: 886-2-2506-6666

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EMERGENCY CONTACT PHONE NO. - 800-255-3924 with the United States
813-248-0585 outside of the United States

SECTION II - PHYSICAL DATA

Boiling Point: N/A Specific Gravity: 1.20~1.60

Vapor Pressure (mm Hg): N/A Percent Volatile: Below 2.0

Solubility in Water: Not Soluble Evaporation Rate: N/A

Appearance and Odor: Solid Plastic Roll, Slight Characteristic Odor

*N/A: No applicable information found.

SECTION III - FIRE HAZARD DATA

Because PVC compounds contain chlorine in the polymer molecule, these materials are difficult to ignite. Like all organic materials, this product is combustible and will burn by application of intense heat. Protect from open flame and maintain proper clearance when using heating devices, etc.

UNUSUAL FIRE HAZARD

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Static sparking can occur during processing. Flammable materials should be removed from the immediate vicinity or controlled. The use of static suppressants and grounding devices is recommended.

When burned the hazardous decomposition products that will result because of incomplete combustion include carbon monoxide, other unidentified products of hydrocarbon degradation, NO_x, low-level cyanides and hydrogen chloride.

EXTINGUISHING MEDIA

Dry chemical, foam, water fog or spray.

SPECIAL FIRE FIGHTING PROCEDURES

Wear full protective equipment and NIOSH approved pressure demand, self-contained breathing apparatus.

SECTION IV - REACTIVITY DATA

Chemical Stability: Stable

Hazardous Polymerization: Will Not Occur

Hazardous Decomposition: Hydrogen chloride, carbon monoxide, low-level cyanides and NO_x, and other unidentified products of hydrocarbon degradation.

SECTION V - HAZARDOUS INGREDIENTS

Plasticized PVC tape is composed of rubber, resin, plasticizers, stabilizers, processing aides, modifiers, pigments, inerts, and residual solvent, as do most plastic products contains chemicals which can be hazardous. These chemicals, however, are mixed and bound in the plastic and not release except under extreme circumstance such as fire.

POTENTIALLY TOXIC INGREDIENTS

Ingredient	%	ACGIH TLV	OSHA	PEL
Cadmium	<0.2	0.05 mg/m ³	0.2	mg/m ³
Lead	<5.0	0.15 mg/m ³	0.05	mg/m ³
Antimony	<3.5	0.5 mg/m ³	0.5	mg/m ³
Chromates	<2.0	0.05 mg/m ³	0.1	mg/m ³
Organic Plasticizers	<45	3 mg/m ³	.3	mg/m ³
Aliphatic Hydrocarbons	<2.5	2000 mg/m ³	500	ppm

SECTION VI - HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE

ACUTE:

Vapors and fumes from processing (especially at elevated temperatures) may cause irritation of the eyes, nose, throat and upper respiratory tract.

CHRONIC:

The following materials are well encapsulated components of the product and are not believed to constitute an exposure hazard under traditional handling conditions.

LEAD:

The early effects of lead poisoning are nonspecific and, except by laboratory testing are difficult to distinguish from the symptoms of minor seasonal illness. The symptoms are decreased physical fitness, fatigue, sleep disturbance, headache, aching bones and muscles, digestive symptoms (Particularly constipation), abdominal pains and decreased appetite. These systems are reversible complete recovery is possible.

ANTIMONY:

Antimony compounds are generally less toxic than antimony. Principal organs attacked include certain enzyme systems (protein and carbohydrate metabolism), heart, lungs, and the mucous membrane of the respiratory tract. Chronic poisoning presents symptoms of dry throat, nausea, headache, sleeplessness, loss of appetite and dizziness. Liver and kidney degenerative changes are late manifestations.

CHROMATES:

Chromate salts are recognized carcinogens of the lungs, nasal cavity and paranasal sinus.

ALIPHATIC HYDROCARBONS:

The vapors of petroleum distillates are mild narcotics and mucous membrane irritants. Continuing exposure may produce signs of inebriation, followed by headache or nausea. No chronic systemic effects have been reported from

widespread industrial use.

ORGANIC PLASTICIZERS:

The vapors of the organic plasticizers used to flexibilize the PVC resin are not considered to present a significant health risk when the film they are in is post processed in a traditional manner. Processing is a manner which results in the accumulation procedures that keep the workplace exposure below that specified in your local code. Effects of overexposure to these organic plasticizer vapors include moderate irritation to the skin, eyes and mucous membranes. Because product performance requirements vary, the opportunity exists for plasticizer mixture of phthalates, adulates, aerates, tri-militates, chlorinated hydrocarbons, soy's, polymeric, and phosphates. The phosphates used do not exhibits cholinesterase depression or other neurotoxicity.

FIRST AID PROCEDURE:

This product has no known toxic hazard. Toxic fumes and gases may be produced by combustion or high temperature decomposition.
For exposure to products of decomposition.

SKIN:

Flush skin thoroughly with soap and cool water for at least five minutes.

EYES:

Immediately flush eyes with potable water for at least 15 minutes, while forcible holding eyelids apart, SEEK MEDICAL ATTENTION.

INHALATION:

Remove to fresh air. If breathing is difficult, administer oxygen.
If respiration stops, give mouth-to-mouth resuscitation.
SEEK MEDICAL ATTENTION.

INGESTION:

Not deemed to be a normal route of exposure.

NOTE TO PHYSICIAN:

Material has no significant toxic hazard. Hazardous fumes and gases that result from Incomplete combustion and decomposition are carbon monoxide, low level

cyanides hydrogen chloride, NOx, and other unidentified products of hydrocarbon degradation.

SECTION VII - LEAK AND DISPOSAL PROCEDURES:

SECTION VIII - SPECIAL PROTECTION INFORMATION:

PROTECTIVE GLOVES

Use heavy cotton or insulated gloves to handle hot plastics.

EYE PROTECTION

Safety glasses with side shields are recommended for all industrial workplaces.

VENTILATION AND RESPIRATORY PROTECTION.

Process, which generates vapors, dust or fumes, should be performed with adequate ventilation. If necessary use NIOSH approved chemical cartridge respirator.

SECTION IX - SPECIAL PRECAUTIONS

Store away from easily ignited chemicals and materials or open flames.

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