

MATERIAL SAFETY DATA SHEET

Klaerdex Company
100 Galtner Drive
Suite B
Mt. Laurel, NJ 08054

Kydex[®] 100 Sheet

SECTION I - PRODUCT IDENTIFICATION/EMERGENCY NUMBERS

Product Name: **Kydex[®] 100 Sheet**

Product Code Number:

Product Class: **Thermoplastic Sheet**

EMERGENCY PHONE NUMBERS: **800-325-3133 or CHEMTREC 800-424-9300**

Phone Number for Information: **803-642-6864**

Date MSDS Prepared: **October 15, 1991.**

SECTION II - INGREDIENTS/IDENTITY INFORMATION

<u>Component</u>	<u>Approx. Wgt. %</u>	<u>Exposure Limits</u>	
		<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Polyvinylchloride/ Polyacrylic Mix	92.0-94.0	NE	NE
Organotin Compound (TRADE SECRET)	0.1-3.0	0.1 mg/m ³ * (as tin)	0.1 mg/m ³ * (as tin)
Solid lubricants, stabilizers, pigments	4.0-6.0	NA	NA

*skin contact

NE = NOT EVALUATED

NA = NOT APPLICABLE (substances are not OSHA Hazardous)

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SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance and Odor:	Opaque plastic sheet; no odor		
Boiling Point:	NA	Molecular Weight:	NA (mixture)
Vapor Pressure:	NA	Melting Point:	NA
Vapor Density:	NA	Specific Gravity:	1.2-1.4
pH:	NA	Volatiles, % by Weight:	NA
Evaporation Rate:	NA	Solubility in Water:	Negligible

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: >500°F Flammable Limit: NA

Extinguishing Media: water, carbon dioxide, dry chemical or foam

Special Fire Fighting Procedures: wear MSHA/NIOSH approved, self-contained breathing apparatus or equivalent approved for acid vapors, and wear full protective clothing.

Unusual Fire and Explosion Hazards: this PVC-based material will NOT continue to burn after ignition without an external fire source. When burning, or at temperatures above 400°F, slow evolution of hydrogen chloride gas and acrylic monomer vapors will occur.

SECTION V - REACTIVITY DATA

This product is STABLE. Hazardous polymerization will NOT occur.

Avoid temperatures in excess of 300°F.

Incompatibility (materials to avoid): PVC-based 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 of heat and pressure.

Hazardous Decomposition Products: slow release of hydrogen chloride gas and acrylic monomer vapors will occur when sheet is heated above 400°F.

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SECTION VI - HEALTH HAZARD DATA

Routes of Entry: Inhalation - possible only if overheated
 Skin/Eyes - unlikely
 Ingestion - practically inert

Health Hazards: prolonged inhalation of dust from working the plastic sheet may cause nose, throat, and upper respiratory tract irritation; eye contact with dust may cause irritation. This material is expected to be practically non-toxic by ingestion. Abnormal heating may lead to decomposition with the release of hydrogen chloride gas and possible acrylic monomer vapors thereby causing irritation of the eyes, skin, and/or upper respiratory tract. The material contains organotin compounds. Some individuals have been shown to develop sensitization to tin compounds. Irritation of the skin, eyes, and upper respiratory tract may occur from exposure to organotin compounds.

Carcinogenicity: product does NOT contain 0.1% or more of a substance listed as a carcinogen by IARC, NTP or OSHA.

Signs and Symptoms of Exposure: irritation of skin, nose, eyes, throat, or upper respiratory tract from exposure to dust from working the plastic sheet.

Emergency First Aid Procedures: If irritation occurs, flush eyes and/or skin with large amounts of water for at least 15 minutes; if irritation persists, consult a physician.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Clean up Procedure: vacuum or sweep up dust or sheet fragments and place in containers for recovery or disposal.

Waste Disposal Procedure: product as supplied is not a hazardous waste and may be disposed of by landfilling; disposal should follow local, state, and federal regulations.

Precautions to be Taken in Handling and Storage: product as supplied is a solid polymer in sheet form and is not considered hazardous in normal storage and handling; dust levels during sawing and machining should be kept below respiratory dust concentrations of 5 mg/m³ and nuisance dust levels of 10 mg/m³. Product should be stored in a dry area below 100°F. Sheets may be heavy; proper care should be taken when moving, loading, unloading, and stacking.

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SECTION VIII - CONTROL MEASURES

Ventilation: Local exhaust - normal room ventilation
Mechanical system - normal room ventilation
No special facilities needed

Respiratory Protection: none required for normal operations

Protective Gloves: cotton or canvas

Eye Protection: safety glasses (ANSI Z87.1 or equivalent)

Other Protective Clothing or Equipment: none required

Work/Hygiene Practices: respiratory dust levels during machining and sawing the plastic sheets should be kept below 5 mg/m³ and nuisance dust levels should be kept below 10 mg/m³.

SECTION IX - PRODUCT REGULATIONS

All components in this product are listed on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

All components in this product are listed on the Canadian Domestic Substances List (DSL).

This product is not considered to meet the criteria for a "controlled" product under the Canadian Workplace Hazardous Materials Information System (WHMIS).

NE = Not evaluated
NA = Not applicable