

AMERICAN PLASTICS

800-772-7401

Material Safety Data Sheet

SUPPLIER NAME: AMERICAN PLASTICS (800)772-7401
525 113th STREET ARLINGTON, TX 76011

COMMERICAL PRODUCT NAME: KYDEX®Sheet
Typical Uses: Sheet for Thermoforming

CHEMICAL CONSTITUTION OF PRODUCT: Polyvinylchloride/Polyacrylic Mix
Organotin Compound
Solid Lubricants, Stabilizers, Pigments

PHYSICAL PROPERTIES:

Boiling Point: N/A
Vapor Density: N/A
Vapor Pressure: N/A
pH: N/A
Solubility in Water: Negligible
Melting Point: N/A
Specific Gravity: 1.2 - 1.4
% Volatile: N/A
Evaporation Rate: N/A
Molecular Weight: N/A (Mixture)
Form: Pellets
Appearance: Opaque Sheets
Color: Various
Odor: No odor

STORAGE AND HANDLING:

Precautions During Storage and Handling:

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 - use proper care when moving, loading, unloading and stacking. Vacuum or sweep up dust or sheet fragments and place in containers for recovery or disposal.

Hazardous Combustion and Decomposition Products:

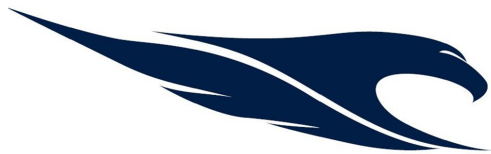
Slow release of hydrogen chloride gas and acrylic monomer vapors will occur when sheet is heated above 400° F. PVC-based materials should not come into contact with acetal or acetal copolymers in elevated temperature processing equipment. The two materials are not compatible and will react in a violent decomposition when mixed under conditions of heat and pressure. Hazardous polymerization will not occur.

Disposal Procedures:

Product as supplied is not a hazardous waste and may be disposed of by landfilling. Disposal should follow local, state and federal regulations.

Individual Preventive Measures:

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



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KYDEX® Sheet MSDS (Cont'd)

Individual Preventive Measures (Continued):

heating may lead to decomposition with the re-lease of hydrogen chloride gas and possible acrylic monomer vapors thereby causing irrita-tion of the eyes, skin and/or upper respiratory tract. The material contains organotin com-pounds. Some individuals have been shown to devel-op sensitization to tin compounds. Irritation of the skin, eyes and upper respiratory tract may occur from exposure to organotin compounds.

Eye Contact: It is recommended that protective eye wear be worn.

Skin Contact: Use of protective gloves/clothing is good practice.

Inhalation: No significant irritation should occur if used with normal room ventilation unless mater-ial is overheated.

Ingestion: No significant health hazards identified.

IGNITION AND EXPLOSION:

Flash Point:

>500° F

Auto-Ignition Temperature:

N/A

Special Fire, Explosion Hazard:

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.

Water spray, dry chemical, foam or carbon dioxide.

Extinguishing Media:

Special Fire Fighting Instructions:

Wear MSHA/NIOSH approved, self-contained breathing apparatus or equivalent approved for acid vapors, and wear full protective clothing.

FIRST AID PROCEDURES:

Eye: If material comes in contact with the eye, flush with large amounts of water for at least 15 minutes. If irritation persist, seek medical attention.

Skin: Wash exposed skin with soap and water. Do not try to remove hot plastic from skin. Removal could result in severe tissue damage. Get medical attention.

Inhalation: If adverse effects occur, remove to uncontami-nated area & get medical attention.

Ingestion: If a large amount is swallowed, get medical attention.

ENVIRONMENT PROTECTION:

To be disposed of in accordance with the appropriate leg-islation.

SPECIFIC DATA:

Transport: not regulated.