

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

MATERIAL NAME (TRADE NAME): AIRTHANE[®] XPST70D and XPST90A Polyurethane Intermediate

MANUFACTURER : Air Products and Chemicals, Inc. Allentown, PA 18195

CHEMICAL NAME : Polymer with Ethylene Adipate and Diisocyanatomethylbenzene

CHEMICAL FAMILY: Polyurethane

EMERGENCY TELEPHONE NUMBERS
1-800-523-9374
1-215-481-4911 (outside U.S.A.)

SALES & PRODUCT INFO PHONE
1-800-345-3148

MSDS NUMBER: 4658-00 **EFFECTIVE DATE:** February 1991 **REVISION:** 00

*AIRTHANE is a registered trademark of Air Products and Chemicals, Inc.

SECTION 2: INGREDIENTS

The product is essentially a single component material. Contact with the eyes or skin may cause irritation. The Chemical Abstract Registry number is 51616-66-4.

SECTION 3: PHYSICAL DATA

BOILING POINT : Not Applicable
MELTING POINT : No Data
SOLUBILITY IN WATER : Reacts with Water
DENSITY : 1.10
VAPOR PRESSURE (mm Hg) : No Data; extremely low
% VOLATILE BY VOLUME : None
PH : No data
APPEARANCE/ODOR : Honey colored liquid; odorless

SECTION 4: FIRE AND EXPLOSION DATA

FLASH POINT : >350 F (Closed Cup)
FLAMMABLE LIMITS (%) : No Data

According to Occupational Safety and Health Administration (OSHA) standards (29 CFR 1910.106), this material is a combustible liquid of Class III B.

EXTINGUISHING MEDIA:

Upon ignition, the product generates a Class B fire. Recommended extinguishers are carbon dioxide, water spray, dry chemical or alcohol foam. Water fog is also useful in cooling fire-exposed tanks and in dispersing vapors.

Expended liquids upon the aftermath of fire should be contained for disposal. Prevent contamination of streams and drinking supplies.

SPECIAL FIREFIGHTING PROCEDURES:

In confined areas, firefighters must wear a self-contained breathing apparatus to avoid breathing vapors, carbon monoxide, and nitrogen oxide fumes generated by combustion (see also Section 6). Skin contact should be avoided by wearing complete body-protection clothing constructed of butyl rubber.

FIRE AND EXPLOSION HAZARD:

Sudden reaction and fire may result when the product is mixed with oxidizing agents.

SECTION 5: HEALTH HAZARD INFORMATION/FIRST AID

A Threshold limit value has not been established. Exposure in most likely to occur by skin contact. Contact with the skin or eyes may cause irritation if unattended.

FIRST AID:

EYE CONTACT:

Immediately flush eyes gently with copious quantities of water for a minimum of 15 minutes. Use fingers to separate eyelids to assure that the eyes are being irrigated. Call a physician.

SKIN CONTACT:

Wash exposed skin with copious quantities of soapy water.

INHALATION:

There has been no clinical experience with overexposure via the respiratory route. If such overexposure should occur, remove patient to fresh air. If breathing is impaired, assisted respiration (e.g., mouth-to-mouth) may be indicated. Supplemental oxygen may be indicated. Seek medical advice.

INGESTION:

The consequences of ingestion in man are unknown, however, in such cases it is recommended that the stomach be emptied by induced vomiting or gastric suction. Medical advice should be obtained if ingestion has occurred.

SECTION 6: REACTIVITY DATA

STABILITY: The product is stable at ambient temperatures but will

combine slowly with water and moisture in the air. Handle under inert gas atmosphere.

INCOMPATIBILITY (SPECIFIC MATERIALS TO AVOID): Water and water vapor will change the product composition but reaction is slow. Reaction with oxidizers may be violent.

HAZARDOUS DECOMPOSITION PRODUCTS: When product burns, toxic cyanates, hydrocarbons, carbon monoxide, nitrogen oxides and hydrogen cyanide will be released.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 7: SPILL, LEAK AND DISPOSAL PROCEDURES

If the material is released or spilled, wear protective clothing, boots, gloves and eye protection. Eliminate sources of ignition. Ventilate the area. Mix with absorbent material. Scoop into containers, such as 55-gallon drums, and seal for disposal.

WASTE DISPOSAL:

Waste product may be disposed of in a landfill unless prohibited by local ordinance.

Waste product also may be incinerated, however, do not incinerate in closed containers.

Large quantities should be incinerated in an approved combustion system in accordance with federal, state and local regulations.

SECTION 8: SPECIAL PROTECTION INFORMATION

Avoid contact with the eyes. Eye protection in the form of chemical safety goggles is recommended. Avoid prolonged or repeated contact with the skin. Cuffed rubber gloves are recommended. Wash hands thoroughly after handling or exposure. Launder or discard contaminated clothing.

Generally, respiratory protection is unnecessary provided there is adequate ventilation. In poorly ventilated areas, a cartridge mask National Institute for Occupational Safety and Health (NIOSH) approved for organic vapors is recommended. During emergencies, a self-contained breathing apparatus should be worn.

SECTION 9: SPECIAL PRECAUTIONS AND HANDLING INFORMATION

HANDLING:

Avoid contact with skin and eyes. Wash thoroughly after handling. Handle under inert gas atmosphere in dry equipment.

SECTION 10: ADDITIONAL INFORMATION

All components are included in the EPA Toxic Substance Control Act Chemical Substance Inventory.

H.M.I.S.

HEALTH : 1
FLAMMABILITY: 0
REACTIVITY : 1

These ratings should be used only as part of H.M.I.S. program.

OSHA Hazard Communication Standard (29CFR1910.1200) hazard class:
none.

EPA Sara Title III hazard class: None.

SARA Title III Section 313 Toxic Chemicals (40CFR372) present in this product above the "de minimis" limit are: none.

Substance(s) listed by California under the "Safe Drinking Water and Toxic Enforcement Act of 1986" (Proposition 65): none.