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MEMBER: SOCIETY OF THE PLASTICS INDUSTRY AND PLASTICS PIONEERS
ESTABLISHED 1932**MATERIAL SAFETY DATA SHEET****Hydex 4101L**

EMERGENCY TELEPHONE: (856) 227-0500
Issue Date: March 31, 1997
Revised Date: June 9, 2000
TRADE NAME: Hydex 4101L
CHEMICAL NAME: Lubricated polybutylene terephthalate

1. Components:

Polybutylene terephthalate (PAT) (CA#30965-26-5)

Polytetrafluoroethylene (PTFE) (CA# 9002-84-0)

Components not precisely identified are proprietary. All components appear on TSCA.

2. Physical Data

Boiling Point: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Solubility In Water: N/A
Melting Point: 228
Specific Gravity: 1.34
% Volatile by Volume: 0.5
Odor: None
Appearance: White

3. Fire and Explosion Data**Flash Point:** 363 C**Method Used:** N/A**Autoignition Temperature:** 371 C**Extinguishing Media:** water, fog, foam, CO, dry chemical**Hazards:** No data given**Fire-fighting Equipment:** Use a positive-pressure self-contained breathing apparatus to prevent exposure to hazardous decomposition products generated under fire conditions.**4. Reactivity Data:****Stability (Conditions to Avoid):** Stable**Incompatibility (specific materials to avoid):** Strong bases, oxidizing acids.**Hazardous Decomposition Products:** No data given**Hazardous Polymerization:** Not applicable**5. Environmental and Disposal Information:****Action to take for spills:** Sweep up and reuse or dispose. Spilled pellets may present a slipping hazard.**Disposal method:** Incinerate or dispose of in an approved landfill in accordance with all applicable federal, state, and local regulations

6. Health Hazard Data:

Eye: Solids or dust may cause irritation or corneal injury due to mechanical action. Vapors may irritate eyes.

Skin Contact: Essentially nonirritating to skin. Mechanical injury only. Molten material may burn skin.

Skin Absorption: Skin absorption is unlikely due to physical properties.

Ingestion: Single dose oral LD50 has not been determined. Single dose oral toxicity is believed to be very low. No hazards anticipated from ingestion incidental to industrial exposure.

Inhalation: Dust may cause irritation to upper respiratory tract. At room temperature, exposure to vapors are unlikely due to physical properties. No toxic effects are known to be associated with inhalation or ingestion of dust.

Systemic & Other Effects: No specific data; however, repeated exposures to the unheated material are not anticipated to use any significant adverse effects. Processing fumes may cause eye and respiratory irritation upon repeated exposure under normal processing conditions. Heating this material to temperatures above 750 F for prolonged periods of time can produce harmful fumes which may be toxic. Therefore, proper ventilation is recommended.

7. First Aid:

Eyes: Irrigate immediately with water for at least 15 minutes. Mechanical effects only.

Skin: Wash off in flowing water or shower. If redness, itching or a burning sensation develops, get medical attention. For thermal burns, cool quickly with water and get medical attention.

Ingestion: No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

Inhalation: Inhaling fumes of decomposition products can cause temporary influenza-like systems described as "polymer flume fever" and may include fever cough and malaise.

Notes to Physician: No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

8. Handling Precautions:

Exposure Guidelines: None established

Ventilation: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

Respiratory Protection: For most conditions, no respiration should be needed; if handling at elevated temperatures without sufficient ventilation, use an approved air-purifying respirator. In dusty atmospheres, use an approved dust respirator.

Skin Protection: No precautions other than clean body-covering clothing should be needed.

Eye Protection: Safety glasses should be sufficient for most operations; however, for dusty operations wear chemical goggles. If vapor exposure causes eye discomfort, use a full-face respirator.

Special Precautions to be taken in Handling and Storage: Store in sealed containers. Protect from atmospheric moisture. Typically processing temperatures range from 500F -500F. Molten material can produce thermal burns. Avoid skin contact. Fumes released during normal processing may cause irritation. Provide adequate ventilation. Heating the resin above normal processing temperatures may cause hazardous decomposition products. Do not overheat. Handling and fabrication of plastic resins can result in the generation of dust. Dust results from sawing, filing, and sanding of plastic parts in post molding operations. Quantities of dust in air may be combustible and may cause respiratory irritation.

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe this information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.