FORM 7227

TOXICOLOGICAL DATA SHEET FOR SAFE HANDLING OF MATERIALS

1. Product Name: PYDRAUL 625

2. Manufacturer's Name and Address: Monsanto Chemical Company, 800 North Lindbergh Boulevard, St. Louis 66, Missouri

3. Chemical and Physical Properties:

a. Specific gravity: 1.35 @ 75°C. b. Flash Point °F: Fire resistant

c. Vapor pressure (mm Hg @ 25°C): .09mm @ 200°F. d. Fire Point °F: Fire resistant

e. Vapor density (air = 1): More than 1 f. pH: Neutral

g. Auto ignition temperature °F: Above 1100°F.

h. Distillation Range: 380-420°C. i. Melting point °F: ---

j. Explosive limits (% vol. air): ---

k. Odor: Slight characteristic

l. Susceptibility to spontaneous heating: Not susceptible

m. Corrosiveness: Not corrosive

n. Stability: Stable

o. Reactivity: Non-reactive

p. Percentage Composition: CONFIDENTIAL - A phosphate ester base fluid containing chlorinated hydrocartons

Compound	Percent	Compound	Percent

q. Does the material decompose violently when exposed to air? Water? Heat? Strong Oxidizer? No.

r. Products formed from decomposition or fire: CO, CO_2, phenolics, HCl

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4. Physiological Properties:

a. Acute oral toxicity: Rats - LD50 - approx. 35,000 mg/kg

Rabbits - MLD - 4250 to 5000 mg/kg

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b. Local effects upon eyes: In animals - mild irritation. Mild irritant to humans but with pain out of proportion to degree of irritation.

c. Local effects upon skin: Classed as mild skin irritant. Dissolves natural fats and oils on surface of skin.

d. Estimate of acute hazard by inhalation: Low degree of hazard due to low volatility at normal temperature. Laboratory animals survived six hours exposure to atmosphere saturated with vapors.

e. Estimated threshold limit: ----------

5. First Aid Treatment:

a. Skin contact: No serious immediate effect. Wash with soap and water to avoid prolonged and repeated skin exposure.

b. Eye contact: Flush for at least 15 minutes with water. Get medical attention. Physicians have used 1% pontocaine solution and ophthalmic cortisone acetate solution to relieve smarting and irritation.

c. Inhalation: See 4.d. above.

d. Ingestion: Induce vomiting and refer to physicians.

6. Precautions for Normal Use: Avoid repeated, prolonged inhalation of vapors or mists. Avoid contact with eyes or prolonged contact with skin.

7. Recommended Protective Equipment: None should be required if Pydraul 625 is used as recommended.

8. Procedure in Case of Breakage or Leakage: Clean up as with any lubricating oil or hydraulic fluid.

9. Transportation and Storage Requirements: ----------

10. Information Furnished By: Mr. Elmer P. Wheeler MONS 071288

Title: Assistant Director, Medical Department

Company: Monsanto Chemical Company

Address: 800 North Lindbergh Boulevard, St. Louis 66, Missouri

Date: December 1, 1960