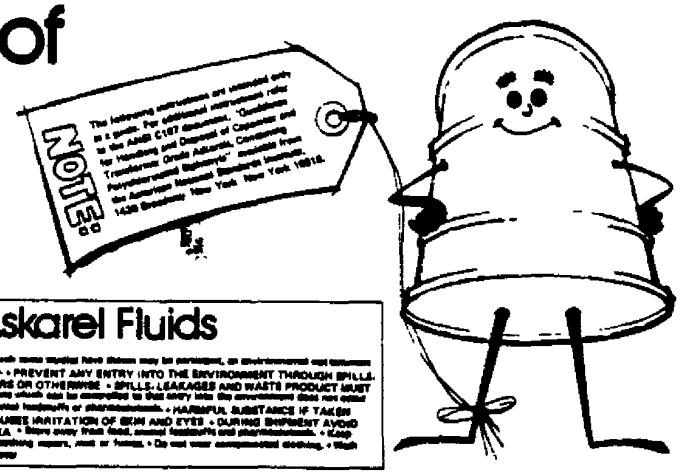
# A Guide to Accumulation and Shipment of WASTE ASKAREL FLUIDS




## Safe Handling of Askarel Fluids

This product contains POLYCHLORINATED BIPHENYLS (PCB's) which some studies have shown may be carcinogenic, or environmental contaminants and, possibly, dangerous to certain forms of land, animals and animal life. • PREVENT ANY ENTRY INTO THE ENVIRONMENT THROUGH SPILLS, LEAKAGE, DISPOSAL, VAPORIZATION, RE-USE OF CONTAINERS OR OTHERWISE. • SPILLS, LEAKAGES AND WASTE PRODUCT MUST BE COLLECTED. • Use of this product must be restricted to applications which can be contained so that entry into the environment does not occur and to applications in which it cannot come into contact with food, animal feedstuffs or pharmaceuticals. • HARMFUL SUBSTANCE IF TAKEN INTERNALLY OR IF IN PROLONGED CONTACT WITH SKIN. • CAUSES IRRITATION OF SKIN AND EYES. • DURING SHIPMENT AVOID SPILLS AND LEAKAGE INTO INLAND WATERWAYS AND THE SEA. • Store away from food, animal foodstuffs and pharmaceuticals. • Keep containers tightly closed. • Do not eat or smoke when using. • Avoid breathing vapors, mist or fumes. • Do not wear contaminated clothing. • Wash product from skin with soap and water. • Wash eyes by flushing with water.

### Accumulation of Waste Fluids

Each time a fluid is transferred there is always some left in spilled. Therefore, accumulation of some fluids in the most drums you will use for shipping to reduce this hazard.

**DRUMS TO USE**

55-gallon drums: Must be 18-gauge steel or heavier and have a 2" bung head.

5-gallon drums: Must be 24-gauge steel or heavier.

(Drums must meet DOT 17-E specifications)

Do Not Use: Old drums
Rusted drums
Corroded drums
Damaged drums
Drums with rusty welds or seams
Open-top drums
Lined-Poly



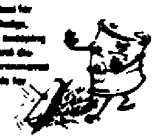
**LABEL DRUMS**

Drums should be labeled "WASTE ASKAREL FLUIDS" and with the above "Safe Handling" statement or its equivalent.



**FILLING DRUMS**

Leave Waste Only
Keep all solid materials out of drums used for some Askarel liquid. Solid materials (sludge, rags, paper towels, metal parts, floor sweeping chemicals, etc.) must be accumulated and disposed of separately. Contact your environmental department for proper disposal methods for solid materials.



Keep Water Out of Drums
Waste Askarel fluids drained to Monsanto for reclamation must not contain more than 1% water or damage to the reclamation unit result.

Do Not Overfill Drums
Airspace is needed to allow for possible thermal expansion of the fluid.

Minimum airspace: 55-gallon drums = 1½ - 2 inches
5-gallon drums = 1 inch

Failure to leave sufficient airspace can result in possible fluid leakage or vapor failure due to pressures caused by fluid expansion.



Seal the Drums
Use a proper bung, inspect the bung and the drum opening to ensure tight, leak-proof seal.

Do not use damaged bungs, rags, wads of wood, or other inappropriate materials to seal drums.

### Moving Filled Drums

Use Proper Drum-Handling Equipment
Askarel-filled drums should be moved only with a proper drum-grabbing device. A barrel hook type of drum-grabbing device will reduce the possibility of damage to drums. A common drum handling device of this type is the Lift-O-Matic®, manufactured by Marvel Industries.



® Trademark of Marvel Industries, Inc.

Pallets Not Recommended
Askarel-filled drums should not be palletized. However if proper drum handling equipment is not available and pallets must be used:



- Be sure pallets are properly constructed and undamaged to reduce the chance of the drum falling from the pallet when being moved.
- Stack/band all drums on drum pallets.
- Drums should be banded together horizontally as well as vertically to the pallet.
- Be sure four drums are not loaded across the width of a truck to prevent shifting in transit; multiple 12 or 48 drum pallets should be no more than 48 inches wide.

### Storing Filled Drums Prior to Shipment

If Askarel-filled drums must be stored prior to return to Monsanto:

Inspect Drums for Leakage
Inspect drums for leakage around drums and bung, making sure all seals are right and leakproof.

Clean Up Spillage
Clean the outside of the drum of any spilled fluids, following approved cleaning methods. Properly dispose of materials used to clean drums.



Store in Protected Area
Drums placed in storage to an enclosed area where they will be protected from possible damage and inclement weather.



In Exposed Areas Store on Side
If drums must be stored in an exposed area, store drums on their sides with bung holes below the fluid level so that rain water will not accumulate on the top of the drums. Otherwise, to drums "breathe" water may be drawn into the drum through the bung seal. Use blocks or other devices to keep drums stationary.



Do Not Stack
Do not stack drums, whether empty or full, on their ends or on end.

### Before Shipment

Following this procedure For EACH Shipment to Monsanto:

1. Contact: Customer Service Supervisor
Attention: Mr. C. R. Field
Monsanto Company
800 N. Lindbergh Boulevard
St. Louis, Missouri 63166
(314) 694-3689



Give the following information:
- Number of drums in the shipment
- Name and address of person to receive drum labels
- Purchase order number, if a specific number is to be used
- Anything out of the ordinary about the fluid or the shipment

You will then receive:
- Letter of authorization with Monsanto identification number for the shipment
- Pre-addressed shipper/warning labels for each drum
- Carrier's Advisory Sheet to be attached to the bill of lading
- Terms of shipment and charges, if any

Upon receipt of above materials:

2. Fill in EACH label with Monsanto identification, number, proper use description and YOUR company name and telephone number
3. Label EACH drum.
4. Put Monsanto identification number and your telephone number on Carrier's Advisory Sheet and attach to bill of lading.

### Loading and Shipment



- Perform a final check for leakage, damage, and to ensure bungs are tightly sealed.
- Load and secure drums to prevent shifting in transit.
- If shipment is to be part of a mixed consignment, waste Askarel fluids are not to be shipped in mixed loads with raw materials for animal feed, food grade chemicals, foods, food packaging materials, or pharmaceuticals. Contamination of such goods may subject them to embargo or destruction.
- Be certain driver is aware of Carrier's Advisory Sheet and telephone numbers in case of leakage or other problems.
- Do not ship via piggyback.

PLEASE NOTE: Monsanto checks all shipments upon arrival. Failure to follow the above guidelines could result in fluids being returned to you and additional charges assessed.



**Monsanto**

DSW 017323

TOWOLDMON0004572