1. MATERIAL IDENTIFICATION

   Specification number: 56

   Manufacturer: Arichem, LLC
   187 Sloss Industries Rd.
   Ariton, AL 36311

   Phone numbers: Product Information: 334/762-2314
                 8:00 AM to 4:30 PM Monday thru Friday
                 24Hr contact: 333/762-2314
                 Transport Emergencies:
                 Call CHEMTREC: 1/800/424-9300

   DOT number: not established

   Product name: Diphenyl Sulfone

   Chemical name: 1,1'-Sulfonylbisbenzene

   CAS number: 127-63-0

   Formula: C12 H10 O2S

   NFPA rating: Health 0; Flammability 1; Reactivity 0

   HMIS rating: Health 0; Flammability 1; Reactivity 0

   Personal Protection I

   Synonyms: phenyl sulfone and DPS

2. COMPONENTS

   Material                  CAS#            % by wt.
   Diphenyl Sulfone         127-63-9          80-100

   All components of this material are listed on the TSCA Inventory.
   See Sections 3, 8, and 11 for exposure information.

3. HAZARD IDENTIFICATION

   EMERGENCY OVERVIEW
   An odorless tan to white crystalline solid. This material
   presents no significant fire, explosion or health hazards.

4. FIRST AID

   Eyes or skin contact:
   In the event of contact with the eyes or skin immediately

4. FIRST AID (cont.)

   Eyes and skin contact:(cont.)
   begin flushing with water. Continue for at least 20 minutes.

   Ingestion:
   Affects unknown. Get trained medical help immediately.
Inhalation: (cont.)
In the event of exposure to concentrated dust, immediately move the exposed person to fresh air. If they are not breathing give artificial respiration. If breathing appears difficult give oxygen. Call for trained medical help immediately.

IN ALL CASES GET TRAINED MEDICAL HELP IMMEDIATELY

5. FIRE AND EXPLOSION DATA
This material does not present a significant fire or explosion hazard.

Flash point: >230oF (>110oC)
Flammable limits (air % by vol.):
   a. Lower explosive limit: not established
   b. Upper explosive limit: not established
Autoignition: not established
Extinguishing media:
   Dry chemical, carbon dioxide, water fog, and regular foam.
Fire and Explosion:
Decomposes @ 750oF (400oC) - Decomposition products may contain SOx vapors
Fire Fighting Instructions:
1. Avoid combustion vapors.
2. Use self-contained positive pressure breathing apparatus and full protective fire fighting clothing.
3. Approach from upwind.

6. ACCIDENTAL RELEASE MEASURES
1. Large and Small Spills: Take up with clean, dry shovel and place in a suitable container for later disposal or recycle. See section 13.
2. Wear proper personal protective equipment while working with spill. See section 8.

This material does not have any CERCLA reportable quantities.

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7. HANDLING AND STORAGE
Handling:
1. Handle in a well ventilated area.
2. Where adequate ventilation is not possible, use a NIOSH/MSHA approved dust/mist respirator. See Section 8.
3. Use proper protective equipment.
Storage:
1. Store in a cool, well-ventilated location.
2. Store separate from combustibles and other reactive materials.
3. Do not puncture containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
The PEL for nuisance dust is 15 mg/m3 and 5 mg/m3 for the 1.
   respirator fraction. Ventilation capable of maintaining dust levels below this limit is recommended.
2. Where adequate ventilation is not possible use a NIOSH/MSHA
approved air purifying respirator or airline supplies depending upon concentrations.

3. Wear eye protection and rubber gloves while working with this material.

Exposure Limits:
OSHA: PEL 15 mg/m³ Total dust
5 mg/m³ Respirable fraction

9. PHYSICAL AND CHEMICAL PROPERTIES
   Appearance: Tan to white crystalline solid
   Odor: Odorless
   Physical state: Solid
   pH: not established
   Vapor pressure (mmHg): not established
   Vapor density (air=1): not established
   Boiling point: 714.2°F (379°C)
   Melting point: 260.6°F (127-129°C)
   Solubility in water: not established (NIL)
   Bulk Density 3.8 lbs/gal

10. STABILITY AND REACTIVITY
    a. Stability: Stable
    b. Hazardous Polymerization: Will not occur
    c. Incompatibility: None known under normal conditions
    d. Decomposition Products: Vapors of the SOx type

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11. TOXICOLOGICAL INFORMATION
    Oral rat: LD50 >2g/Kg
    Exposure Limits:
    OSHA: PEL 15mg/m³ Total dust
    5mg/m³ Respirable dust

12. ECOLOGICAL INFORMATION
    Environmental hazard. Keep out of waterways.

13. DISPOSAL INFORMATION
    This material has no CERCLA reportable quantities or RCRA hazardous waste codes. Recycle or dispose of in accordance with Federal, State, and Local regulations. Please note that this information is for Diphenyl Sulfone in its original form. Any alteration of this material can void this information.

14. TRANSPORTATION INFORMATION
    Proper shipping name: Not a DOT regulated material
    Hazard class: none
    UN no.: not applicable
    DOT/IMO label: not required
    Special provisions: not applicable
    Packaging:
    a. Group: not established
    b. authorization: not established
    c. exceptions: not established
    Quantity limitations: not established
    a. passenger, aircraft or rail: not established
    b. cargo only, aircraft: not established
Stowage provisions: not established

15. REGULATORY INFORMATION

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<thead>
<tr>
<th>Status/Number</th>
<th>Details</th>
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</table>

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California Proposition 65: No
WHIMS: No

16. OTHER INFORMATION

Section(s) revised: All revised to new format and to include most up to date information.

MSDS date: 4/94
Supersedes date: 8/93

The data of this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material. While the data contained herein is based on technical data that Arichem, LLC believes to be reliable, it is intended for use by persons having technical skill and at their own discretion and risk.

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