

Arichem, LLC  
MATERIAL SAFETY DATA SHEET  
POTASSIUM DIPHENYLSULFONE SULFONATE

Print Date: 11/06

**1. MATERIAL IDENTIFICATION**

Specification number: 24

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

Shipping name: Not established

Product name: Potassium Diphenylsulfone Sulfonate

Chemical name: Potassium Diphenylsulfone Sulfonate

CAS number: 63336-43-8

Formula:  $(KSO_3)_2(C_6H_4)_2SO_2$

NFPA rating: Health 1; Flammability 1; Reactivity 0

HMIS rating: Health 1; Flammability 1; Reactivity 0; Personal Protection B

Synonyms: KSS, PDSS

**2. COMPONENTS**

Material	CAS#	% by wt.
Potassium Diphenylsulfone Sulfonate	63336-43-8	77
Dipotassium Diphenylsulfone Sulfonate	63316-33-6	23

These components are listed on the TSCA Inventory. See Section 3, 8, and 11 for exposure limits.

**3. HAZARD IDENTIFICATION**

EMERGENCY OVERVIEW

A white crystalline solid. 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 begin flushing with water. Continue for at least 20 minutes.

Ingestion:

Effects unknown. If swallowed, get trained medical help immediately.

Inhalation:

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In the event of overexposure 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**

Flash point: 950°F (496°C)

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, regular foam.

Fire and Explosion: No significant hazards. Decompose @ 950°F. Vapors are toxic.

Fire Fighting Instructions:

- 1. Use self-contained positive pressure breathing apparatus and full fire fighting equipment.
- 2. Approach fire from upwind.

**6. ACCIDENTAL RELEASE MEASURES**

- 1. This material does not have any CERCLA reportable quantities. Capture for recycle, reprocessing or disposal. See section 13.
- 2. Wear adequate personal protection while working with spill. See section 8.

**7. HANDLING AND STORAGE**

- 1. Handle in a well-ventilated area.
- 2. Wear eye protection and rubber gloves. See section 8.
- 3. Store separate from combustibles and other reactive materials. See section 10.
- 4. Do not puncture containers.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- 1. Handle in a well-ventilated area. The PEL for nuisance dust is 15mg/m<sup>3</sup> for total dust and 5mg/m<sup>3</sup> for respirable fraction; ventilation capable of maintaining exposures below this level is recommended.
- 2. The use of eye protection and rubber gloves is recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: White crystalline solid

Odor: No characteristic odor

Physical state: Solid

pH: 7.0

Vapor pressure (mmHg): Not established

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Vapor density (air=1): Not established  
Boiling point: Not established  
Freezing point: Not established  
Solubility in water: 25g/100ml at 77°F (25°C)  
Bulk density: 3.5 lbs/gal

**10. STABILITY AND REACTIVITY**

- a. Stability: Stable
- b. Hazardous Polymerization: Will not occur.
- c. Incompatibility: Keep away from strong oxidizers.
- d. Decomposition products: Vapors of the SO<sub>x</sub> type.

**11. TOXICOLOGICAL INFORMATION**

No LD50's have been established.  
No TLV's or PEL's have been established.

**12. ECOLOGICAL INFORMATION**

Environmental hazard. Keep out of waterways.

**13. DISPOSAL INFORMATION**

Upon disposal Potassium Diphenylsulfone Sulfonate 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 this material in its original form. Any alterations made to 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: None

Packaging:

- a. Group: Not applicable
- b. Authorization: Not applicable
- c. Exceptions: Not applicable

Quantity limitations: Not applicable

- a. Passenger, aircraft or rail: Not applicable
- b. Cargo only, aircraft: Not applicable

Stowage provisions: Not applicable

**15. REGULATORY INFORMATION**

TSCA STATUS: On TSCA Inventory  
CERCLA RQ: None  
SARA TITLE III: None  
Section 302 TPQ: Not applicable  
Section 304 EHS: Not applicable  
Section 311/312: Not applicable  
Section 313: Not applicable  
RCRA WASTE NUMBER: None  
California Proposition 65: No WHIMS: No

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**16.OTHER INFORMATION**

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

MSDS date: 11/06

Supersedes date: 4/94

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 an at their own discretion and risk.