



Di Phenyl Sulfone DPS CAS No.127-63-9

SECTION 1

MSDS : Phenyl sulfone, 97%
CAS : 127-63-9
SYNONYMS : ; 1,1-sulfonylbisbenzene; DPS; Sulfo benzide.

****** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ******

| CAS NO | Chemical Name | % | EINECS# |

| 127-63-9 | Phenyl Sulfone | 97.0 | 204-853-1 |

Hazard Symbols: None Listed.

Risk Phrases: None Listed.

****** SECTION 3 - HAZARDS IDENTIFICATION ******

EMERGENCY OVERVIEW

Not available.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation.

Ingestion:

May cause irritation of the digestive tract.

Inhalation:

May cause respiratory tract irritation.

Chronic:

Not available.

****** SECTION 4 - FIRST AID MEASURES ******

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Treat symptomatically and supportively.

Antidote:

None reported.

****** SECTION 5 - FIRE FIGHTING MEASURES ******

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

****** SECTION 6 - ACCIDENTAL RELEASE MEASURES ******

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

****** SECTION 7 - HANDLING and STORAGE ******

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage:

Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances.

****** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ******

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

CAS# 127-63-9:

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

****** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ******

Physical State: Powder

Color: white

Odor: None reported.

pH: Not available.

Vapor Pressure: Not available.

Viscosity: Not available.
Boiling Point: 379 deg C @ 760.00mm Hg
Freezing/Melting Point: 123.0 - 125.0 deg C
Autoignition Temperature: Not available.
Flash Point: Not available.
Explosion Limits, lower: N/A
Explosion Limits, upper: N/A
Decomposition Temperature:
Solubility in water: insoluble in cold water
Specific Gravity/Density:
Molecular Formula: C12H10O2S
Molecular Weight: 218.27

**** **SECTION 10 - STABILITY AND REACTIVITY** ****

Chemical Stability:
Stable under normal temperatures and pressures.
Conditions to Avoid:
Incompatible materials, dust generation, strong oxidants.
Incompatibilities with Other Materials:
Strong oxidizing agents.
Hazardous Decomposition Products:
Carbon monoxide, oxides of sulfur, irritating and toxic fumes and gases, carbon dioxide.
Hazardous Polymerization: Has not been reported.

**** **SECTION 11 - TOXICOLOGICAL INFORMATION** ****

RTECS#:
CAS# 127-63-9: SX2400000
LD50/LC50:
CAS# 127-63-9: Oral, mouse: LD50 = 375 mg/kg.
Carcinogenicity:
Phenyl sulfone -
Not listed by ACGIH, IARC, or NTP.
Other:

See actual entry in RTECS for complete information.

**** **SECTION 12 - ECOLOGICAL INFORMATION** ****

Other

No information available.

**** **SECTION 13 - DISPOSAL CONSIDERATIONS** ****

Dispose of in a manner consistent with federal, state, and local regulations.

**** **SECTION 14 - TRANSPORT INFORMATION** ****

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

**** **SECTION 15 - REGULATORY INFORMATION** ****

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 127-63-9: 2

Canada

CAS# 127-63-9 is listed on Canada's NDSL List.

CAS# 127-63-9 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 127-63-9 is listed on the TSCA inventory.

**** SECTION 16 - ADDITIONAL INFORMATION ****

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

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