



# MATERIAL SAFETY DATA SHEET

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## SECTION 1 - PRODUCT INFORMATION

**PRODUCT NAME:** NAXCHEM® Bisphenol S-98B  
**CHEMICAL NAME:** 4,4'-Sulfonyldiphenol  
**CAS NUMBER:** 80-09-1  
**PRODUCT CODE:** 3651  
**MSDS NO.:** 1-17111

**ISSUE DATE:** 07/13/05  
**SUPERSEDES:** 05/23/05

## SECTION 2 - HAZARD IDENTIFICATION

**Appearance & Odor:** Light brown powder, no distinguishable odor.

**Primary Routes of Exposure:** Skin, Eyes, and Respiratory tract.

**Health Hazard Warnings:** CAUTION! May cause slight skin irritation and slight to moderate eye irritation. Prolonged or repeated overexposure to dusts can cause upper respiratory tract irritation. Dusts at sufficient concentrations can form explosive mixtures with air.

**Inhalation:** Prolonged or repeated overexposure to dusts may cause upper respiratory tract irritation.

**Skin Contact:** May cause slight skin irritation.

**Eye Contact:** Contact with eyes can cause slight to moderate irritation.

**Ingestion:** May cause irritation to the membranes of the mouth, throat and gastrointestinal tract.

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS REGISTRY NO.</u>	<u>PERCENT</u>
4,4'-Sulfonyldiphenol	80-09-1	> 98
2,4'-Sulfonyldiphenol	5397-34-2	< 2

## SECTION 4 - FIRST AID MEASURES

**Eyes:** Immediately flush eyes with water for 10 - 15 minutes. Hold eyelids apart and roll eyes up and down to assure complete washing. Seek medical attention.

**Skin:** Thoroughly flush the affected area with plenty of water for at least 15 minutes. Remove contaminated clothing and equipment.

**Inhalation:** Immediately move the patient to fresh air and call a physician. If breathing is difficult, give oxygen. If not breathing, begin artificial respiration.

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## SECTION 4 - FIRST AID MEASURES (CONT.)

**Ingestion:** If swallowed, call a physician. Never give anything by mouth to an unconscious person. Induce vomiting only at the instructions of a physician or nurse.

**Other Specific Instructions:** In the event of exposure, seek medical attention immediately. Do not give chemical antidotes unless directed to do so by the physician.

## SECTION 5 - FIRE FIGHTING MEASURES

**Flash Point:** Not applicable

**Auto Ignition:** No data available

**Explosive Limits; UEL/LEL:** In sufficient concentrations, dusts can form explosive mixtures with air.

**Extinguishing Agents:** Use water spray, dry chemical, carbon dioxide, or foam extinguishing agents. Do not apply a direct water stream on material.

**Fire & Explosion Hazards:** As in any fire prevent human exposure to fire, smoke, fumes or products of combustion. Firefighters should wear recommended exposure control equipment including a self-contained breathing apparatus. Cool containers with water that are exposed to flames. Avoid placing a solid stream of water on spilled material.

**Hazardous Combustion Products:** Thermal decomposition produces oxides of sulfur and carbon.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal Protective Equipment:** Appropriate protective equipment must be worn when handling a spill of **NAXCHEM® Bisphenol S-98B**. See Section 8 - Exposure Control, for recommendations.

**Spill or Leak Information:** Sweep or scoop material into containers for reuse or disposal. Avoid breathing and generating dusts. Flush spill area with plenty of water. Collect water for proper disposal.

## SECTION 7 - HANDLING AND STORAGE

**Handling Conditions:** Emptied container may retain product residues. Follow all warnings and precautions even after container is emptied. Ground and bond container when transferring this material to prevent static build up.

**Storage Conditions:** Keep container tightly closed when not in use.

## SECTION 8 - EXPOSURE CONTROL

**Exposure Limits:** None established

**Eye Protection:** Use chemical safety goggles.

**Skin Protection:** Skin contact with material should be minimized through the use of suitable impervious gloves. Natural rubber or neoprene gloves are recommended.

**Respiratory Protection:** Not required under normal handling conditions. If dusts can be generated, wear the appropriate NIOSH approved air purifying particulate respirator for the dust concentrations at the point of use.

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## SECTION 8 - EXPOSURE CONTROL (CONT.)

**Ventilation:** Good local exhaust ventilation should be provided.

**Other Protective Equipment:** Safety showers and eye wash stations where material is being handled. Wash hands and face before eating, using tobacco products or using the washroom. Smoke or eat only in designated areas. Take a warm shower and change clothing daily. Clothing and shoes used while handling this material should not be worn or taken away from the workplace.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Light brown powder

**Melting Point:** No data available

**Evaporation Rate (butyl acetate=1):** No data available

**Vapor Pressure (mm Hg):** Low

**Specific Gravity/Density:** No data available

**Flash Point:** Not applicable

**Odor:** No distinguishable odor

**Boiling Point:** No data available

**pH:** No data available

**Vapor Density (Air=1):** No data available

**Solubility in Water:** No data available

**Auto Ignition:** No data available

## SECTION 10 - STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of storage and handling.

**Incompatibility:** Strong oxidizers.

**Polymerization:** Not expected to occur.

**Decomposition:** When heated to decomposition, may emit highly toxic oxides of sulfur and carbon.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Acute Data:** The information shown in Section 2 - Hazard Identification, is based on toxicity profiles of similar materials (RTECS Data) or on the components present in this material.

**Ingestion:** Oral LD<sub>50</sub> (rat): 4456 mg/kg

**Eye:** Moderate Irritation

**Sensitization:** This product is not known to cause sensitization.

**Carcinogenicity/Mutagenicity:** 4,4'-Sulfonyldiphenol is not considered to be a human or animal carcinogen.

**Teratogenicity/Reproductive Toxicity:** 4,4'-Sulfonyldiphenol is not known to cause teratogenicity or reproductive toxicity.

## SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicological Data:** The ecological toxicity of this statement is not known. This material should be considered toxic to fish.

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## SECTION 13 - DISPOSAL CONSIDERATIONS

**Waste Disposal:** This product if discarded as supplied, is considered non-hazardous as defined by RCRA. Dispose of in accordance with local, state and federal regulations.

## SECTION 14 - TRANSPORT CONSIDERATIONS

**Shipping Description:** DOT Non-Regulated

**Hazard Class:** NA

**ID No.:** NA

**PG:** NA

**Labels:** None

## SECTION 15 - REGULATORY CONSIDERATIONS

**OSHA Regulatory Status:** This product is a hazardous chemical under 29 CFR 1910.1200.

### SARA Title III

**Section 311/312:** This material is categorized as an immediate health hazard according to EPA under Section 311/312 of SARA.

**Section 313:** This product contains the following chemicals subject to 313 reporting:  
None above De Minimis limit

**CERCLA:** Not applicable

**Pennsylvania Right-to-Know:** Not applicable

**California Proposition 65:** Not applicable

### Chemical Control Law Status:

The components of this product are in compliance with the inventory listing requirements of the Chemical Control Laws in the following countries: United States of America, Canada (DSL), China, Europe and Japan.

### WHMIS Ingredient Disclosure List:

4,4'-Sulfonyldiphenol 80-09-1

**HMIS Health Rating:** 2

**HMIS Fire Rating:** 1

**HMIS Physical Hazard Rating:** 0

**HMIS Other:** NA

## SECTION 16 - OTHER CONSIDERATIONS

Prepared by Regulatory Staff Phone No.: (814) 238-2424

MSDS No.: 1-17111

Issue Date: 7/13/05

**Emergency Phone No.: CHEMTREC 800-424-9300**

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