

Revision number: 1 Revision date: 07/06/2018

TCI AMERICA SAFETY DATA SHEET

Product name:	Bis(4-aminophenyl) Sulfone	
Product code:	D0089	
Product use: Restrictions on use:	For laboratory research purposes. Not for drug or household use.	
Company: TCI America 9211 N. Harborgate Street Portland, OR 97203 U.S.A. Telephone: +1-800-423-8616 / +1-503-283-1681 Fax: +1-888-520-1075 / +1-503-283-1987 e-mail: sales-US@TCIchemicals.com www.TCIchemicals.com		Emergency telephone number: Chemical Emergencies: TCI America (8:00am - 5:00pm) PST +1-503-286-7624 Transportation Emergencies: Chemtrec 24-Hour +1-800-424-9300 (U.S.A.) +1-703-527-3887 (International) Responsible department: TCI America Environmental Health Safety and Security +1- 503-286-7624
2. HAZARD(S) IDENTIFICATION		
DSHA Haz Com: CFR 1910.1200: NHMIS 2015:	Acute Toxicity - Oral [Category 4] Specific Target Organ Toxicity (Single Exposure) [Catego Specific Target Organ Toxicity (Repeated Exposure) [Cat Specific Target Organ Toxicity (Repeated Exposure) [Cat Aquatic Hazard (Acute) [Category 2] Aquatic Hazard (Long-Term) [Category 2]	egory 1]
Signal word:	Danger!	
Hazard Statement(s):	Harmful if swallowed Toxic to aquatic life Toxic to aquatic life with long lasting effects May cause damage to organs: Blood Causes damage to organs through prolonged or repeated May cause damage to organs through prolonged or repeated	
Pictogram(s) or Symbol(s):		
Precautionary Statement(s): [Prevention]	Do not breathe dust, fume, mist, vapors or spray. Avoid re	

[Response]

[Storage] [Disposal] smoke when using this product. Wash hands and face thoroughly after handling. If swallowed: Call a poison center or doctor if you feel unwell. Rinse mouth. If exposed or concerned: Call a poison center or doctor. Collect spillage. Store locked up. Dispose of contents and container in accordance with local, regional, national regulations (e.g. US: 40 CFR Part 261, EU:91/156/EEC, JP: Waste Disposal and Cleaning Act, etc.).

Hazards not otherwise classified: [HNOC]

None.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance Bis(4-aminophenyl) Sulfone >98.0%(HPLC)(T) 80-08-0 248.30 C ₁₂ H ₁₂ N ₂ O ₂ S
4,4'-Diaminodiphenyl Sulfone , 4,4'-Sulfonyldianiline

4. FIRST-AID MEASURES

Description of first aid measures			
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician. Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Call a POISON CENTER or doctor/physician.		
Skin contact:			
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Call a POISON CENTER or doctor/physician.		
Ingestion:	Call a POISON CENTER or doctor/physician. Rinse mouth.		
Symptoms/effects:			
Acute:	Redness.		
Delayed:	No data available		
Indication of any immediate medical	attention:		
Not available.			
Notes to physician:			
No data available			

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Dry chemical, foam, water spray, carbon dioxide.
Specific hazards arising from the chemical:	Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.
Hazardous combustion products: Other specific hazards:	These products include: Carbon oxides Nitrogen oxides Sulfur oxides Closed containers may explode from heat of a fire.
Advice for firefighters:	Wear self-contained breathing apparatus if possible.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Environmental precautions: Methods and materials for containment and cleaning up:	Be careful not to let it flow into rivers, etc., since adverse effects on the environment are concerned.
7. HANDLING AND STORAGE	
Precautions for safe handling:	Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent
	dispersion of dust. Wash hands and face thoroughly after handling.
	Use a closed system if possible. Use a local exhaust if dust or aerosol will be generated.
	Avoid contact with skin, eyes and clothing.
Conditions for safe storage, including a	ny incompatibilities
Storage conditions:	Keep container tightly closed. Store in a cool and dark place.
	Store locked up.
	Store away from incompatible materials such as oxidizing agents.
Packaging material:	Comply with laws.
i achaging material.	Compty with laws.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering controls:	Follow safe industrial engineering/laboratory practices when handling any chemical. Install a closed system or local exhaust. Also install safety shower and eye bath.
Personal protective equipment	
Respiratory protection:	Dust respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and follow local and national regulations.
Hand protection:	Impervious gloves.
Eye protection:	Safety goggles. A face-shield, if the situation requires.
Skin and body protection:	Impervious protective clothing. Protective boots, if the situation requires.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Form: Colour: Odour: Odor threshold: Odour threshold:	Solid Crystal - Powder White - Very pale reddish y Odorless No data available No data available	ellow	
Melting point/freezing point: Boiling point/range: Decomposition temperature: Relative density: Kinematic viscosity: Log Pow:	177°C (351°F) No data available No data available No data available No data available No data available	pH: Vapour pressure: Vapour density: Dynamic Viscosity: Evaporation rate(Butyl Acetate=1):	No data available No data available. 8.3 No data available No data available
Flash point: Flammability(solid, gas):	No data available No data available	Autoignition temperature: Flammability or explosive limits: Lower: Upper:	No data available No data available No data available
Solubility(ies): [Water] [Other solvents] Soluble:	Insoluble (380mg/L, 37°C) Alcohols, Acetone		

10. STABILITY AND REACTIVITY

Reactivity:No data availableChemical stability:Stable under proper conditions.Possibility of hazardous reactions:No special reactivity has been reported.Incompatible materials:Oxidizing agents, HalogensHazardous decomposition products:Carbon dioxide, Carbon monoxide, Nitrogen oxides (NOx), Sulfur oxides

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11. TOXICOLOGICAL INFORMATION

RTECS Number: BY8925000

Skin corrosion/irritation: No data available Serious eye damage/irritation: No data available Respiratory or skin sensitization:				
No data available				
Respiratory or skin sensitization:				
No data available				
Germ cell mutagenicity: cyt-hmn-leu 4 mg/L				
Carcinogenicity: ipr-mus TDLo:1312 mg/kg/8W-I orl-rat TDLo:20 g/kg/80W-C				
IARC: Group 3 (Not classifiable as NTP: No data available OSHA: No data available carcinogenic to humans).				
Reproductive toxicity: orl-rat TDLo:2100 mg/kg (6W male)				
Target organ(s): May cause damage to organs: Blood Causes damage to organs through prolonged or repeated exposure: Blood May cause damage to organs through prolonged or repeated exposure: Liver Spleen				
12. ECOLOGICAL INFORMATION				
Ecotoxicity:				
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14. TRANSPORT INFORMATION

DOT (US) UN number: UN3077	Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s	Class or Division: 9 Miscellaneous hazardous material	Packing Group: III
IATA_ UN number: UN3077	Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s	Class or Division: 9 Miscellaneous hazardous material	Packing Group: III
IMDG UN UN3077 numb er:	Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s	Class or Division: 9 Miscellaneous hazardous material	Packing Group: III
EmS number:	F-A, S-F		

15. REGULATORY INFORMATION

Toxic Substance Control Act (TSCA 8b.): This product is ON the EPA Toxic Substances Control Act (TSCA) inventory.

US Federal Regul CERCLA Hazardo SARA 313: SARA 302:	l <u>ations</u> ous substance and Rep	Not Listed Not Listed		
State Regulations State Right-to-Kn Massachuset	ow	Listed		
New Jersey		Not Listed		
Pennsylvania California Propos		Not Listed Not Listed		
Other Information	<u>1</u>			
NFPA Rating: Health:	0		HMIS Classification: Health:	1
Flammability:	0		Flammability:	0
Instability:	0		Physical:	0
International Inve	entories			
Canada: DSL EC-No:		On DSL 201-248-4		

16. OTHER INFORMATION

Revision date: 07/06/2018

Revision number: 1

TCI chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.