Safety Data Sheet

Section I. Identification of the substance

Product Name: P-TOLUENESULFONYL CHLORIDE
Catalog number: BP-20587
Supplier: Broadpharm, 6625 Top Gun Street, Suite# 103, San Diego, CA 92121, USA.
Tel: +1-858-677-6760
Emergency Phone Number: +1-858-886-7300

Section II. Hazards identification

GHS – Classification
Classification – Not classified as a hazard

Section III. Composition and information on ingredients.

Name: P-TOLUENESULFONYL CHLORIDE
Formula: C7H7ClO2S
MW: 190.6
CAS: 98-59-9

Section IV. First aid measures

1.Skin contact: Immediately wash skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation persists, seek medical attention.
2.Eye contact: Immediately wash skin with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. If irritation persists, seek medical attention.
3.Inhalation: Remove to fresh air. In severe cases or if symptoms persist, seek medical attention.
4. Ingestion: Wash out mouth with copious amounts of water for at least 15 minutes. Seek medical attention.

Section V. Fire fighting measures

In the event of a fire involving this material, alone or in combination with other materials, use dry powder or carbon dioxide extinguishers. Protective clothing and self-contained breathing apparatus should be worn.

Section VI. Accidental release measures

*Personal precautions***.** Wear suitable personal protective equipment which performs satisfactorily and meets local/state/national standards.
Respiratory precaution: Wear approved mask/respirator
Hand precaution: Wear suitable gloves/gauntlets
Skin protection: Wear suitable protective clothing
Eye protection: Wear suitable eye protection
Methods for cleaning up: Mix with sand or similar inert absorbent material, sweep up and keep in a tightly closed container for disposal. See section 12.
Environmental precautions: Do not allow material to enter drains or water courses.

Section VII. Handling and storage

Handling: This product should be handled only by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals, who should take into account the fire, health and chemical hazard data given on this sheet.

Storage: Store in closed vessels at -20^{0}C.

Section VIII. Exposure Controls / PPE

Engineering Controls: Use only in a chemical fume hood.
Personal protective equipment: Wear chemical-resistant gloves, safety goggles.
General hygiene measures: Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section IX. Physical and chemical properties

Appearance: Solid
Odor: No data
Boiling point: No data
Melting point: No data
Flash point: No data
Density: No data
Formula: C7H7ClO2S
Molecular weight: 190.6
pH: No data
Evaporation rate: No data
Relative Density: No data
Solubility: No data
Partition coefficient; n-octanol/water: No data
Auto-ignition temperature: No data
Decomposition temperature: No data
Viscosity: No data

Section X. Stability and reactivity

Conditions to avoid: Heat, flames and sparks.
Materials to avoid: Oxidizing agents.
Possible hazardous combustion products: No data available.

Section XI. Toxicological information

No data

Section XII. Ecological information

No data

Section XIII. Disposal consideration

Arrange disposal as special waste, by licensed disposal company, in consultation with local waste disposal authority, in accordance with national and regional regulations.

Section XIV. Transportation information

Non-hazardous for air and ground transportation.

Section XV. Regulatory information

Indication of Danger: No data.
Risk Statement: No data.
Safety Statement: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection.

Section XVI. Other information

This MSDS is correct to the best of our knowledge and belief at the date of its publication but does not purport to be all inclusive and shall be used only as a guide. BroadPharm shall not be held liable for any loss, injury or damage which may result from its use. This product is for research and development use only.