

SAFETY DATA SHEET

Section 1 - Identification of Substance or Mixture and Company

Product identify:

Product name: 4-Ethylbenzenesulfonyl chloride

Synonyms: No data available

Catalog number: PI-33423

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances

Details of the supplier of the safety data sheet

Company identification: PI Chemicals Ltd.
633 Eshan Road,
Pudong New Area, Shanghai China, 201203

Telephone number: +86-21-58953700

Fax number: +86-21-58953701

E-mail address: info@pipharm.com

Emergency telephone number

Emergency number: +86-21-58953706

Section 2 - Hazards Identification

Classification of the substance or mixture:

Regulation (EC) No 1272/2008

Skin corrosion (Category 1B)

Serious eye damage (Category 1)

Skin sensitization (Category 1)

Label elements

Classification according to (EC) No 1272/2008



Signal word: Danger

Hazard statement(s):

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

Precautionary statement(s)

P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/ physician.

Accroding to EU Directive 67/548/EEC or 1999/45/EC.

Symbol(s): C Corrosive

Risk phrases:

R 29: Contact with water liberates toxic gas.

R 34: Causes burns

Safety phrases:

R 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

R 36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

R 45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

HMIS classification:

Health hazard: 3

Chronic health hazard: *

Flammability: 0

Physical hazards : 0

NEPA rating:

Health hazard: 3

Fire: 0

Reactivity hazard: 0

Section 3: Composition & Information on Ingredients

Molecular formula: C₈H₉ClO₂S

Molecular weight: 204.67

Component	Concentration
CAS Number: 16712-69-9	98%
EC Number: -	

Section 4 - First Aid Measures

Eye: Flush eyes with plenty of water for at least 15 minutes. Get medical aid if symptoms appear.

Skin: Wash skin with plenty of water at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops and persists.

Ingestion: Wash mouth out with water. Get medical aid immediately.

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

Section 5 – Fire-Fighting Measures

Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: Carbon oxides, Sulphur oxides, Hydrogen chloride gas

Advice for firefighters: Wear a self-contained breathing apparatus for fire fighting if necessary

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Use proper personal protective equipment as indicated in Section 8.

Environmental precautions: Prevent further spillage or leakage when safe and capable

Methods and materials for containment and cleaning up:

Vacuum or sweep up material and keep in a suitable closed container for disposal. Do not flush with water.

Section 7 - Handling and Storage

Precautions for safe handling:

Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with skin, eyes and clothes. Avoid inhalation of vapors and spray mist.

Conditions for safe storage, including any incompatibilities:

Store in a dry, well-ventilated place. Keep tightly closed.

Section 8 - Exposure Controls/Personal Protection

Control parameters:

Contains no materials with occupational exposure limits.

Exposure controls:

Ensure well ventilation, good industrial hygiene and safety practice.

Personal protective equipment

Eye/Face protection:

Wear appropriate protective eyeglasses under the standards such as EN166(EU) or type ABEK(EN14387).

Skin/Body protection:

Wear appropriate protective gloves which have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN374 derived from it to prevent skin exposure. Dispose of contaminated gloves in accordance with applicable laws. Wash and dry hands.

Wear appropriate protective clothing to prevent skin exposure.

Respiratory protection:

Use an approved respirator and components under appropriate government standards such as NIOSH(US) or CEN(EU) if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9- Physical and Chemical Properties

Physical state:	Melting liquid
Color:	Ivory
Odour:	No data available
Melting point/freezing point:	8-12°C
Initial boiling point and boiling range:	134-136°C/7mm
Flash point:	No data available
Evaporation rate:	No data available
Flammability(solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	1.268(g/cm ³)
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available

Section 10-Stability and Reactivity

Reactivity:	No data available
Chemical stability:	Stable under recommended temperatures and pressures.
Possibility of hazardous reactions:	No data available
Conditions to avoid:	No data available
Incompatible materials:	Strong oxidizing agents
Hazard Decomposition products:	Carbon oxides, Sulphur oxides, Hydrogen chloride gas

Section 11 - Toxicological Information**Acute toxicity:**

Component: 4-Ethylbenzenesulfonyl chloride

LD50 Oral - rat - No data available LD50 Subcutaneous - rat - No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitization: May cause allergic reactions.

Germ cell mutagenicity:	No data available
Carcinogenicity:	
Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.	
Reproductive toxicity:	No data available
Specific target organ toxicity(STOT)-single exposure:	No data available
Specific target organ toxicity (STOT)-repeated exposure:	No data available
Aspiration hazard:	No data available
Additional information:	RTECS#: not available

Section 12 – Ecological Information

Toxicity:

Component: 4-Ethylbenzenesulfonyl chloride

No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Component: 4-Ethylbenzenesulfonyl chloride

Mobility in soil: No data available

Results of PBT and vPvB assessment: No data available

Other adverse effects: No data available

Section 13 - Disposal Consideration

Waste treatment methods

Product: Dispose of in accordance with federal, state and local environmental regulations

Contaminated packaging: Dispose of as unused product

Section 14 - Transport Information

IATA

UN number: 3261

Hazard class: 8

Packing group: II

Proper shipping name: Corrosive solid, acidic, organic, n.o.s. (4-Ethylbenzenesulphonyl chloride)

IMDG

UN number: 3261

Hazard class: 8

Packing group: II

Proper shipping name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (4-Ethylbenzenesulphonyl chloride)

Marine pollutant: No

RID/ADR

UN number: 3261
Hazard class: 8
Packing group: II
Proper shipping name: Corrosive solid, acidic, organic, n.o.s. (4-Ethylbenzenesulphonyl chloride)
Marine pollutant: No
Poison Inhalation Hazard: No

DOT(US)

UN number: 3261
Hazard class: 8
Packing group: II
Proper shipping name: Corrosive solid, acidic, organic, n.o.s. (4-Ethylbenzenesulphonyl chloride)
Marine pollutant: No
Poison Inhalation Hazard: No

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

Chemical safety assessment: No data available

Section 16 – Other Information

SDS creation date: May 06, 2013

Update: May 09, 2013

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