

ALADDIN SCIENTIFIC CORPORATION
14078 Meridian Parkway, Riverside, CA. 92518

SAFETY DATA SHEET

Version: v1
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : o-Toluenesulfonyl Chloride (contains ca. 23% isomer)
Product Number : O160017
Brand : aladdin
CAS-No. : 133-59-5

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

Identified uses : Laboratory chemicals, Manufacture of substances.

1.3 Company

Company : ALADDIN SCIENTIFIC CORPORATION
Address : 14078 Meridian Parkway,
Riverside, CA. 92518
Telephone : +1 (833) 552-7181
Fax : no data available

1.4 Emergency telephone number

CHEMTREC®, Inside the USA : 1-800-424-9300
CHEMTREC®, Outside the USA :

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Physical hazards
Metal corrosiveness level 1
Health hazards
Skin corrosion/irritation Class 1C
Severe injury/eye irritation Level 1
Environmental hazards not classified

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

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Hazard statement(s)

H290 May be corrosive to metals
 H314 Causes severe skin burns and eye damage

Precautionary statement(s)

P234 Keep only in original container.
 P264 Wash hands [and ...] thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P363 Wash contaminated clothing before reuse.
 P390 Absorb spillage to prevent material damage.
 P303+P361+P353 IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].
 P405 Store locked up.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P501 Dispose of contents/container to an approved waste disposal plant.
 P301+P312+P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
 P304+P340+P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS
SECTION 3: Composition/information on ingredients
3.1 Substances

Synonyms : no data available
 Formula : C7H7ClO2S
 Molecular weight : 190.64
 CAS No. : 133-59-5
 EC-NO. : no data available

Component	Classification	Concentration
o-Toluenesulfonyl Chloride (contains ca. 23% isomer)	no data available	≥75%(GC)

SECTION 4: First aid measures
4.1 Description of first aid measures
General advice

Consult a doctor. Present this safety technical manual to the on-site doctor.

If inhaled

If inhaled, please move the patient to fresh air. If breathing stops, perform artificial respiration. Consult a doctor.

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In case of skin contact

Immediately remove contaminated clothes and shoes. Rinse with soap and plenty of water. Consult a doctor.

In case of eye contact

Thoroughly rinse with plenty of water for at least 15 minutes and consult a doctor.

If swallowed

Do not induce vomiting. Do not feed anything to unconscious individuals. Rinse your mouth with water. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

no data available

4.3 Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use water mist, alcohol resistant foam, dry powder or carbon dioxide to extinguish the fire.

Unsuitable extinguishing media

no data available

5.2 Special hazards arising from the substance or mixture

no data available

5.3 Advice for firefighters

no data available

5.4 Further information

no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid inhaling vapors, aerosols, or gases. Ensure adequate ventilation. Evacuate personnel to a safe area. For personal protection, please refer to section 8.

6.2 Environmental precautions

Do not let the product enter the sewer.

6.3 Methods and materials for containment and cleaning up

Absorb with inert adsorbent materials and dispose of as hazardous waste. Place in a suitable closed container for processing.

6.4 Reference to other sections

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For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid inhaling vapors or mist droplets. General fire protection measures. For preventive measures, please refer to Chapter 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep the container sealed and store in a dry and ventilated place. The opened container must be carefully resealed and kept in an upright position to prevent leakage. Inflatable storage, sensitive to humidity

7.3 Specific end use(s)

no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Appropriate engineering controls

Operate according to industrial hygiene and safety regulations. Wash hands before rest and at the end of work.

Personal protective equipment

Eye/face protection

Masks and safety glasses, please use equipment that has been tested and approved by official standards such as NIOSH (USA) or EN 166 (EU) to protect the eyes.

Skin protection

Gloves must be checked before use. Please use the correct method to remove the gloves (do not touch the outer surface of the gloves) and avoid any skin contact with the product. After use, please handle contaminated gloves carefully in accordance with relevant laws, regulations, and effective laboratory procedures and procedures. Please clean and blow dry the protective gloves selected for your hands, which must comply with the specifications given in Regulation (EU) 2016/425 and the derived EN 374 standard.

Body Protection

Anti permeation clothing, flame retardant and anti-static protective clothing, and the type of protective equipment must be selected based on the concentration and content of hazardous substances in specific workplaces.

Respiratory protection

If the hazard assessment shows the need to use a gas mask with air purification, please use a full face multi-functional gas mask (US) or ABEK type (EN 14387) gas mask cartridge as a backup for engineering control. If a gas mask is the only way to protect, use a full face ventilation gas mask. The use of respirators and parts that have been tested and passed government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

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no data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	no data available
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	10°C
f) Initial boiling point and boiling range	254 °C
g) Flash point	230°F ; >110°C
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	1.34
n) Water solubility	no data available
o) Partition coefficient: n-octanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties N	no data available
t) Oxidizing properties N	no data available

9.2 Other safety information

no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

Moisture proof.

10.4 Conditions to avoid

Strong Oxidizing Agent Strong Oxidizing Agent, Strong alkali

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10.5 Incompatible materials

In case of fire, it will decompose into harmful substances- Carbon oxides, sulfur oxides, hydrogen chloride gases and other decomposition products - no data available. When a fire occurs: see Section 5 for fire extinguishing measures

10.6 Hazardous decomposition products

no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

There is no greater than or equal to 0 in this product. 1% of the components were identified by IARC as potential or definite human carcinogens.

Carcinogenicity

no data available

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Additional Information

SECTION 12: Ecological information

12.1 Toxicity

12.2 Persistence and degradability

no data available

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12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

no data available

SECTION 13:

13.1 Disposal considerations

Product

Hand over the remaining and non recyclable solutions to a licensed company for processing. Contact a professional organization with a waste disposal license to handle this substance. Dissolve or mix with flammable solvents and burn in a chemical incinerator equipped with post-combustion treatment and scrubbing functions

Contaminated packaging

Discard as unused product.

SECTION 14: Transport information

DOT (US)

UN number: 3265

Packing group: II

Class: 8

Proper shipping name: CORROSIVE
LIQUID, ACIDIC, ORGANIC, N.O.S.
(Toluene-2-sulphonyl chloride)

Reportable Quantity(RQ): no data
available

Poison Inhalation Hazard: no data
available

Environmental Hazards: no

IMDG

UN number: 3265

Packing group: II

EMS-No: no data available

Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Toluene-2-sulphonyl chloride)

IATA

UN number: 3265

Packing group: II

Class: 8

Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Toluene-2-sulphonyl chloride)

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

SECTION 16: Other information

Phone: +1 (833) 552-7181 Email: QualityAssurance@aladdinsci.com Website: <https://www.aladdinsci.com/>

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Prepared By	Regulatory Affairs ALADDIN SCIENTIFIC CORPORATION Email: QualityAssurance@aladdinsci.com
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