



Product number: R44030B
Product name: SiliaBond® Tosyl Chloride

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SECTION 1 CHEMICAL IDENTIFICATION

Product number: R44030B
Product name: Tosyl Chloride-Derivatized Silica Gel

SECTION 2 COMPOSITION AND INFORMATION ON INGREDIENTS

CAS number: None

SECTION 3 HAZARDS IDENTIFICATION

Harmful by inhalation
Irritating to eyes
Irritating to respiratory tracts
Do not inhale the dust

SECTION 4 FIRST AID MEASURES

Contact with the skin: Wash skin with soap and copious amounts of water for at least 15 minutes.
Contact with eyes: Flush eyes with copious amounts of water for at least 15 minutes.
Raise eyelids with fingers for a good wash.
Inhalation: Remove to fresh air. If not breathing give artificial respiration.
If breathing is difficult, give oxygen and call a physician.
Ingestion: Wash the mouth with water. Call a physician.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing media: Carbon dioxide, dry chemical powder or appropriate foam
Special firefighting: Wear self-contained breathing apparatus and protective clothing to prevent the risks of contact with skin and eyes.

Unusual fire and explosions hazards:
Emits toxic fumes under fire conditions

SECTION 6 ACCIDENTAL RELEASE MEASURES

Individual precautionary measures:

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

Precautionary measures for the environmental protection:

Sweep up, place in a bag and hold for waste disposal.

Avoid raising dust.

Ventilate area and wash spill site after material pickup is complete.

SECTION 7 HANDLING AND STOCKING

Refer to section 8

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Safety shower and eye bath

Use only in a fume hood.

Do not breathe dust.

Avoid the contact with eyes, skin and clothes.

Avoid prolonged or repeated exposure.

Keep tightly closed.

Manipulate and store in a fresh (cool) and dry place under an inert atmosphere.

Wash the safety equipment after manipulation.

Respiratory Protection:

Approved respirator NIOSH/MSHA

Skin Protection:

Chemical-resistant gloves

Eyes Protection:

Safety goggles

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Aspect:

Powder

Color:

Off white

SECTION 10 STABILITY AND REACTIVITY

Stability:

Stable

Condition to be avoided:

Protect from moisture

Material to be avoided:

hydrofluoric acid, strong acids, strong bases, oxidizing agents, alcohols, amines, water

Produced by decomposition:

Toxic fumes

SECTION 11 TOXICOLOGICAL INFORMATION

May cause eyes irritation
May cause skin irritation
May be harmful if swallowed
May be harmful if absorbed through the skin
May be irritating to mucous membranes and upper respiratory tract
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12 ECOLOGICAL INFORMATION

See section 13

SECTION 13 DISPOSAL CONSIDERATIONS

General: Do not throw residues in the sewer, have this product and its recipient eliminated in a centre that specialize in dangerous or special waste disposal.

SECTION 14 INFORMATION RELATIVE TO TRANSPORT

* By ground and water way
Naming of expedition:
Route-ADR, load (Group of packaging)
Rail-RID load
N°ONU:
Label:

* Sea routes
Naming of expedition:
Sea-class OMCI:
Group of packaging:
N°ONU:
Label:

* Air traffic
Naming of expedition:
Air-class OACI/IATA
Group of packaging:
N°ONU:
Label:



SECTION 15 REGULATORY INFORMATION

Caution: Substance not yet fully tested

R20/21/22: Harmful by inhalation, by contact with skin and by ingestion.

R22: Do not inhale dust

S36/37/39: Wear suitable protective clothing.

SECTION 16 OTHER INFORMATION

Recommended uses: Consult brochures relative to this product and to its applications.

The information formulated in the present document is based on the knowledge of qualified experts within SiliCycle inc. We believe that this information is exact but can not be guaranteed. That is why this document should be used as a guide. As SiliCycle inc. can not control the use of this information as well as the terms of service of the product, SiliCycle inc. can not be considered responsible for any damage resulting from the handling, from the contact and/or from the use of this product.