Product number: R51030B  
Product name: SiliaMetS® Thiol

Company: SiliCycle Inc.  
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SECTION 1 CHEMICAL IDENTIFICATION

Product number: R51030B  
Product name: Thiol-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, water spray, foam, dry chemical powder  
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: 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
Produced by decomposition: Toxic fumes
SECTION 11  TOXICOLOGICAL INFORMATION

May cause 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.