



**Product number:** R49030B  
**Product name:** SiliaMetS<sup>®</sup> Diamine

**Company:** SiliCycle Inc  
**Address:** 2500 Parc-Technologique Blvd, Quebec City, QC, Canada, G1P 4S6

**Phone:** 418-874-0054  
**Fax:** 418-874-0355

### SECTION 1 CHEMICAL IDENTIFICATION

**Product number:** R49030B  
**Product name:** Diamine-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 tract  
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, oxidizing agents and peroxides

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 contain no guarantee. 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.