

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 16.02.2009

Revision: 16.02.2009

## 1 Identification of substance:

- **Product details:**
- **Trade name:** VpCI-609 S
- **Application of the substance / the preparation** Corrosion inhibitors
- **Manufacturer/Supplier:**  
Cortec Corporation  
4119 White Bear Parkway  
St. Paul, MN 55110 USA  
Phone (651) 429-1100  
Fax (651) 429-1122
- **Information department:** [info@cortecvci.com](mailto:info@cortecvci.com)  
[info@cortecvci.com](mailto:info@cortecvci.com)  
Product safety department.
- **Emergency information:** Chemtrec (for spill, leak, fire exposure or accident): 1-800-424-9300

## 2 Hazards identification

- **Information pertaining to particular dangers for man and environment**  
Irritating to eyes, respiratory system and skin.

## 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Ingredients:**

112926-00-8	Silicon dioxide	1-3%
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- **Additional information** For the wording of the listed risk phrases refer to section 16.

## 4 First aid measures

- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing**  
Do not induce vomiting; call for medical help immediately.  
Rinse out mouth and then drink plenty of water.

## 5 Fire fighting measures

- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the material, its products of combustion or resulting gases:**  
In case of fire, the following can be released:  
Carbon monoxide (CO)

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As with all organic dusts, fine particles suspended in air in critical proportions and in the presence of an ignition source may ignite and/or explode. Dust may be sensitive to ignition by electrostatic discharge, electrical arcs, sparks, welding torches, cigarettes, open flame, or other significant heat sources. As a precaution, implement standard safety measures for handling finely divided organic powders.

- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental release measures

- **Person-related safety precautions:** Use respiratory protective device against the effects of fumes/dust/aerosol.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Pick up mechanically.
- **Additional information:**  
See Section 8 for information on personal protection equipment.  
No dangerous substances are released.

### 7 Handling and storage

- **Handling**
- **Information for safe handling:**  
Store in cool, dry place in tightly closed receptacles.  
Prevent formation of dust.
- **Information about protection against explosions and fires:**  
Wear shoes with conductive soles.  
Use explosion-proof apparatus / fittings and spark-proof tools.



Keep ignition sources away - Do not smoke.

Dust can combine with air to form an explosive mixture.

As a precaution to control dust explosion potential, implement safety measures to control ignition sources and dispersion of dusts. See NFPA standard 654, OSHA 29CFR1910.39 and others for more details.

- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** None.

### 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures should be adhered to when handling chemicals.
- **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.

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- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses

## 9 Physical and chemical properties

### · General Information

<b>Form:</b>	Powder
<b>Colour:</b>	White
<b>Odour:</b>	Amine-like

### · Change in condition

**Melting point/Melting range:** 198°C  
**Boiling point/Boiling range:** undetermined

· **Flash point:** Not applicable

· **Self igniting:** Product is not selfigniting.

· **Danger of explosion:** Risk of explosion by shock, friction, fire or other sources of ignition.

· **Density:** Not determined

### · Solubility in / Miscibility with

**Water:** Not miscible or difficult to mix

· **pH-value at 20°C:** 6.0-7.0 (1% aqueous)

### · Solvent content:

**Organic solvents:** 0.0 %

· **Solids content:** 96-100 %

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:** Ammonia

## 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.

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**· Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

**12 Ecological information:****· General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**13 Disposal considerations****· Product:****· Recommendation**

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

**· Uncleaned packagings:**

**· Recommendation:** Disposal must be made according to official regulations.

**14 Transport information****· Land transport ADR/RID (cross-border)**

**· ADR/RID class:** -

**· UN-Number:** Not applicable

**· Maritime transport IMDG:**

**· IMDG Class:** -

**· Marine pollutant:** No

**· Air transport ICAO-TI and IATA-DGR:**

**· ICAO/IATA Class:** -

**15 Regulations****· Markings according to EU guidelines:**

Observe the general safety regulations when handling chemicals

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).

**· National regulations**

**· Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

**16 Other information:**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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- **Relevant R-phrases:** 22 Do not breathe dust
- **Department issuing MSDS:** R & D Laboratory
- **Contact:**  
Dr. Margarita Kharshan, Laboratory Director  
Boris Miksic, President/CEO

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