

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 05/13/2009

Reviewed on 05/13/2009

## 1 Identification of substance:

- **Product details:**
- **Trade name:** VpCI-105/VpCI-111
- **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  
Product safety department.
- **Emergency information:** Chemtrec (for spill, leak, fire exposure or accident): 1-800-424-9300

## 2 Composition/Data on components:

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

- **Dangerous components:**

CAS: 95-14-7	Benzotriazole	0.5-1.0%
EINECS: 202-394-1		

- **Additional information** For the wording of the listed risk phrases refer to section 16.

## 3 Hazards identification

- **Information pertaining to particular dangers for man and environment** Harmful if swallowed.
- **Classification system**
- **NFPA ratings (scale 0-4)**



- **HMIS rating system (0-4)**

HEALTH	0	Health = 0
FIRE	1	Flammability = 1
REACTIVITY	0	Reactivity = 0

## 4 First aid measures

- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** If symptoms persist consult doctor.

## 5 Fire fighting measures

- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.

(Contd. on page 2)

USA

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 05/13/2009

Reviewed on 05/13/2009

Trade name: VpCI-105/VpCI-111

(Contd. of page 1)

· **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** No dangerous substances are released.

## 7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.

## 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**  
Avoid contact with the eyes and skin.  
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**
- **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:** Not required.

## 9 Physical and chemical properties:

### · General Information

<b>Form:</b>	Plastic cup with Tyvek lid
<b>Color:</b>	Green
<b>Odor:</b>	Light

### · Change in condition

**Melting point/Melting range:** undetermined

(Contd. on page 3)

USA

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 05/13/2009

Reviewed on 05/13/2009

Trade name: VpCI-105/VpCI-111

(Contd. of page 2)

<b>Boiling point/Boiling range:</b>	undetermined
· <b>Flash point:</b>	Not applicable
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Density:</b>	Not determined
· <b>Solubility in / Miscibility with Water:</b>	Insoluble
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %

## 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:** No dangerous decomposition products known

## 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **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:** Not known to be hazardous to water.

## 13 Disposal considerations

- **Product:**
- **Recommendation** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

USA

(Contd. on page 4)

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 05/13/2009

Reviewed on 05/13/2009

Trade name: VpCI-105/VpCI-111

(Contd. of page 3)

## 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **UN-Number:** Not applicable
- **Label** Not applicable

- **Maritime transport IMDG:**
- **IMDG Class:** Not applicable
- **UN Number:** Not applicable
- **Marine pollutant:** No
- **Propper shipping name:** Not applicable

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** Not applicable
- **UNID Number:** Not applicable
- **Propper shipping name:** Not applicable

## 15 Regulations

- **SARA Section 355 (extremely hazardous substances)**

None of the ingredients is listed.

- **SARA Section 313 (specific toxic chemical listings)**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act)**

All ingredients are listed.

- **Prop 65 - Chemicals known to cause cancer**

None of the ingredients is listed.

- **Cancerogenity categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

- **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

- **Markings according to EU guidelines:**

Observe the general safety regulations when handling chemicals

(Contd. on page 5)

USA

**Material Safety Data Sheet**  
*acc. to ISO/DIS 11014*

Printing date 05/13/2009

Reviewed on 05/13/2009

**Trade name: VpCI-105/VpCI-111**

(Contd. of page 4)

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

**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.*

USA