

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 09/08/2010

Reviewed on 09/08/2010

## 1 Identification of substance:

- **Product details:**
- **Trade name:** *BioPad*
- **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:** *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:** *Void*

## 3 Hazards identification

- **Information pertaining to particular dangers for man and environment:** *not applicable*
- **Classification system**
- **HMIS rating system (0-4)**

HEALTH	1	Health = 1
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.*

## 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:**  
*Nitrogen oxides (NO<sub>x</sub>)  
 Carbon monoxide (CO)*
- **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:** *Pick up mechanically.*

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· **Additional information:** No dangerous substances are released.

## 7 Handling and storage

- **Handling**
- **Information for safe handling:** Store in cool, dry place in tightly closed receptacles.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

## 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 for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:** Protective gloves
- **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>	Solid material.
<b>Color:</b>	Off-white to yellow
<b>Odor:</b>	Characteristic

### · Change in condition

**Melting point/Melting range:** undetermined  
**Boiling point/Boiling range:** undetermined

· **Flash point:** Not applicable

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

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density:** Not determined

### · Solubility in / Miscibility with

**Water:** Insoluble

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- |                                 |   |
|---------------------------------|---|
| · <b>Solvent content:</b>       |   |
| <b>Organic solvents:</b>        | 0.0 %   |
| · <b>Additional information</b> | <i>The above data are typical values and do not constitute a specification.</i> |

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Materials to be avoided:**
- **Dangerous reactions** *No dangerous reactions known*
- **Dangerous products of decomposition:**  
     Nitrogen oxides  
     Carbon monoxide

## 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** *Repeated or prolonged skin contact with this product may produce skin irritation.*
- **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:

- **Additional 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.*

## 14 Transport information

- |  |                      |
|--|----------------------|
| · <b>DOT regulations:</b>                      |                      |
| · <b>Hazard class:</b>                         | -                    |
| · <b>Identification number:</b>                | <i>Not Regulated</i> |
| · <b>Land transport ADR/RID (cross-border)</b> |                      |
| · <b>ADR/RID class:</b>                        | -                    |

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- **UN-Number:** Not applicable
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **UN Number:** Not applicable
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **UN/ID Number:** 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.

- **Carcinogenicity 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.

- **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

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.