

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION

**Product Name :** Matrix Enviro-Clean  
**Product Use :** Waterless Urinal Cleaner & Deodorizer  
**Chemical Family :**

**Supplier Name and Address:**  
Water Matrix  
331 Trowers Rd., Unit 3  
Woodbridge, ON L4L 6A2

**Manufacturer Name and Address:**  
Refer to Supplier

**Emergency Telephone #:**  
Canutec (613) 996-6666

**Emergency Telephone #:**  
N/AV

## SECTION II - HAZARDOUS INGREDIENTS

| Ingredients | CAS# | (wt.)% | T.V.L. | LC50 ppm<br>(Rat, Inl.) | LD50 mg/kg<br>(Rat, oral) |
|-------------|------|--------|--------|-------------------------|---------------------------|
|-------------|------|--------|--------|-------------------------|---------------------------|

This product contains no hazardous ingredients at greater than one percent by weight, as defined by WHMIS regulations.  
No NTP, IARC, or OSHA Carcinogens present.

## SECTION III - HAZARDOUS IDENTIFICATION

**Route of Entry:**

**Skin Contact:** N/AP  
**Skin Absorption:** N/AP  
**Inhalation, Chronic:** N/AP  
**Inhalation:** N/AP  
**Ingestion:** N/AP  
**Eye Contact:** N/AP

**Effects of Acute Exposure:** None expected. Not intended for human consumption. Organisms used are non-pathogenic, but can cause infection when in contact with open wounds. These organisms can be killed by many commonly used antibiotics.

**Effects of Chronic Exposure:** None expected

## SECTION IV - PHYSICAL DATA

**Physical State:** Liquid  
**Odor and appearance:** An emulsion with a strong perfume odour  
**Odor threshold:** N/AP  
**Specific gravity:** 1.004  
**Coefficient of water/oil distribution:** N/AP  
**Vapor pressure (mm Hg):** N/AP  
**Boiling point:** 210-220°F (99-104°C)  
**Freezing point:** N/AP  
**PH:** 8.5  
**Vapor density (Air = 1):** N/AP  
**Evaporation rate (BuAe = 1):** 8.37  
**Volatiles, %:** >90  
**Solubility in water:** Complete

## SECTION V - FIRE AND EXPLOSION DATA

|   |                                |
|---|--------------------------------|
| <b>Conditions of flammability:</b>                        | None                           |
| <b>If Yes under which Conditions?</b>                     |                                |
| <b>Means of extinction:</b>                               | N/AP                           |
| <b>Sensitivity to mechanical impact/static discharge:</b> | N/AP                           |
| <b>Flash point (Method):</b>                              | None to 200°F (93°C) by T.C.C. |
| <b>Upper flammable limit %:</b>                           | N/AP                           |
| <b>Lower flammable limit %:</b>                           | N/AP                           |
| <b>Auto-ignition temperature:</b>                         | N/AP                           |
| <b>Hazardous Combustion Products:</b>                     | N/AP                           |
| <b>Special Fire Fighting Procedures:</b>                  | None                           |
| <b>Extinguishing Media:</b>                               | N/AP                           |

## SECTION VI - REACTIVITY DATA

|  |                                      |
|--|--------------------------------------|
| <b>Chemical Stability:</b>               | Stable                               |
| <b>Incompatible materials:</b>           | Strong acids or bases may inactivate |
| <b>Conditions of reactivity:</b>         | Extremes in temperatures or pH       |
| <b>Hazardous decomposition products:</b> | N/AP                                 |
| <b>Hazardous polymerization:</b>         | N/AP                                 |

## SECTION VII - TOXICOLOGICAL PROPERTIES

### \*\*\* Routes of exposure and acute/chronic effects \*\*\*

|  |               |
|--|---------------|
| <b>Exposure limit:</b>                               | N/AP          |
| <b>Irritant of Product:</b>                          | N/AP          |
| <b>Inhalation:</b>                                   | N/AP          |
| <b>Skin:</b>   | N/AP          |
| <b>Eyes:</b>   | N/AP          |
| <b>Ingestion:</b>                                    | N/AP          |
| <b>Chronic effects:</b>                              | None expected |
| <b>Carcinogenicity:</b>                              | N/AP          |
| <b>Reproductive effects:</b>                         | N/AP          |
| <b>Teratogenicity, Mutagenicity:</b>                 | N/AP          |
| <b>Sensitization to Product:</b>                     | N/AP          |
| <b>Name of Toxicologically Synergistic Products:</b> | N/AP          |

## SECTION VIII - FIRST AID

|                    |   |
|--------------------|---|
| <b>Inhalation:</b> | N/AP  |
| <b>Skin:</b>       | Wash thoroughly with soap and water   |
| <b>Eyes:</b>       | Flush eyes immediately with plenty of cool water for at least 15 minutes. If redness or irritation continues get medical attention. |
| <b>Ingestion:</b>  | Contact a physician immediately. Drink two glasses of water to dilute.  |
| <b>Additional:</b> | None  |

## SECTION IX - PREVENTIVE MEASURES

**Spill, leak or release:** Rinse material into nearest drain.  
**Waste disposal:** Small amounts should be placed in trash. Large quantities that cannot be used according to label directions should be given to a waste disposal company. Follow all Federal, State and Local Regulations regarding Waste Disposal.

### **\*\*\* PROTECTIVE EQUIPMENT \*\*\***

**Respiratory protection:** None required  
**Ventilation:** Adequate room ventilation to keep air circulating.  
**Protective gloves:** Recommended  
**Protective clothing:** N/AP  
**Protective footwear:** N/AP  
**Eye protection:** Eye protection and protective gloves are recommended any time you work with any concentrated industrial strength products.  
**Other protective equipment:** None

### **\*\*\* STORAGE and HANDLING \*\*\***

#### **Storage and handling conditions:**

**Handling:** Avoid extreme cold or heat. Do not contaminate with other products.  
**Storage:** Keep container closed when not in use. Do not reuse containers for any purpose. Destroy drums by puncturing.  
**Other Precautions:** Test on small inconspicuous area before using on synthetic fabrics and carpeting, to be sure product will not adversely affect colour.

#### **Special Shipping Information:**

**WHMIS Classification:** Not regulated  
**TDG Classification:** Not regulated

#### **Additional notes or references:**

**Abbreviations:** N/AV: not available  
N/AP: not applicable  
IARC: International Agency for Research on Cancer.  
ACGIH: American Conference of Governmental Industrial Hygienists.  
TLV: Threshold Limit Values.  
NIOSH: National Institute of Occupational Safety and Health.  
TDG: Transportation of Dangerous Goods Regulation.  
BuAe: n-butyl acetate.

**References:** 1.) ACGIH, Threshold Limit Values and Biological Exposure Indices for 1988-89.  
2.) International Agency for Research on Cancer Monographs, Supplement 7, 1988.  
3.) Canadian Centre for Occupational Health and Safety. Cheminfo Database.  
4.) Material Safety Data Sheets of raw materials.  
5.) N. Irving Sax. Dangerous Properties of Industrial Materials. Sixth Edition.

## SECTION X - PREPARATION INFORMATION

**Additional Information:** Water Matrix assumes no responsibility by its issuance of this information.  
**Prepared by:** Water Matrix  
**Telephone #:** 905-850-8080  
**Preparation Date:** September 12, 2005