

**EUCON DX**Version .  
REVISION DATE: 12/04/2007

Print Date 12/04/2007

**SECTION 1 - PRODUCT IDENTIFICATION / PREPARATION INFORMATION****Product Information**

Trade name : EUCON DX  
 Product code : 7040001

Supplier : Euclid Canada  
 2835 Grande-Allée  
 St-Hubert, QC J4T 2R4

Telephone : 1-800-667-0920  
 Emergency Phone: : (613) 996-6666

Product use : Admixture

**Preparation Information**

Prepared by: : Sewnauth Raghunandan  
 Date: : 12/04/2007  
 Telephone : (416) 421-3300

**SECTION 2 - HAZARDS IDENTIFICATION****Emergency Overview**

Light Bronze. Liquid solution. May cause slight irritation to the respiratory system. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

**Acute Potential Health Effects/ Routes of Entry**

Inhalation : May cause slight irritation to the respiratory system.  
 Eyes : Vapors or liquid may cause tearing, blurred vision, severe irritation, and possible chemical burns.  
 Ingestion : May cause irritation to the mouth, throat and stomach. May cause chemical burns to stomach, mouth, nose, and throat.  
 Skin : May cause moderate irritation. May cause sensitization resulting in irritation, itching and redness.

**Aggravated Medical Conditions**

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

**Chronic Health Effects**

Prolonged and repeated overexposure to amines may cause liver and kidney damage based on animal studies. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

**Target Organs:** Skin, Eye, Lung

**SECTION 3 : HAZARDOUS INGREDIENTS**

Chemical Name	CAS-No.	Weight % Range
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Triethanolamine	102-71-6	5.0 - 10.0
Sodium hydroxide	1310-73-2	0.5 - 1.5

The ingredients listed above are hazardous as defined in the controlled products regulation. (CPR).

**SECTION 4 - FIRST AID MEASURES**

Get immediate medical attention for any significant overexposure.

- |              |   |  |
|--------------|---|--|
| Inhalation   | : | Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.   |
| Eye contact  | : | Flush with water for 15 minutes. If irritation persists, get medical attention.  |
| Skin contact | : | Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately. |
| Ingestion    | : | Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.   |

**SECTION 5: FIRE / EXPLOSION HAZARDS**

- |                                       |   |   |
|---------------------------------------|---|---|
| Flash point                           | : | Not available.  |
| Method                                | : | Not available.  |
| Lower explosion limit                 | : | Not available.  |
| Upper explosion limit                 | : | Not available.  |
| Autoignition temperature              | : | Not available.  |
| Extinguishing media                   | : | If water fog is ineffective, use carbon dioxide, dry chemical or foam.  |
| Hazardous combustion products         | : | Carbon monoxide, carbon dioxide, and nitrogen oxides.   |
| Protective equipment for firefighters | : | Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). |
| Fire and explosion conditions         | : | Product may ignite if heated in excess of its flash point.  |

**SECTION 6 - SPILLS / LEAKS / ACCIDENTAL RELEASE MEASURES**

Stop flow. Contain spill. Keep out of water courses. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.

**SECTION 7 - HANDLING AND STORAGE**

Store under normal warehouse conditions in sealed containers. Keep container closed when not in use. Vapor may migrate to sources of ignition. Do not smoke, weld, generate sparks, or use flame near container. Change soiled work clothes frequently. Clean hands thoroughly after handling. Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Handle in compliance with common hygienic practices. Clean hands thoroughly after handling.

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**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION****Personal protection equipment**

- Respiratory protection : Use full engineering controls before relying on personal protective equipment. Wear NIOSH/MSHA approved vapor respirator with appropriate cartridge when the vapor concentration is expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.
- Hand protection : Protect hands with impervious gloves.
- Eye protection : Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.
- Protective measures : Use professional judgment in the selection, care, and use.
- Engineering measures** : Use local exhaust when the general ventilation is inadequate.

**Exposure Limits**

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Regulation</u>	<u>Limit</u>	<u>Form</u>
Triethanolamine	102-71-6	Ontario TWA: ACGIH TWA:	3.1 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>	
Sodium hydroxide	1310-73-2			

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- Physical State : Liquid
- Form : Liquid solution
- Color : Light Bronze
- Odor : Amine
- pH : 8.5
- Vapour pressure : Not available.
- Vapor density : Not available.
- Melting point/range : Not available.
- Freezing point : Not available.
- Boiling point/range : Not available.
- Water solubility : Not available.
- Evaporation Rate: : Not available.
- Specific Gravity : 1.145
- % Volatile Weight : 51 %



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### **SECTION 10 - REACTIVITY / STABILITY**

Substances to avoid : Acids.  
Stability : Stable under normal conditions. Avoid welding arcs, flames or other high temperature sources.  
Hazardous polymerization : Will not occur under normal conditions.

### **SECTION 11 - TOXICOLOGICAL INFORMATION**

Triethanolamine, CAS-No.: 102-71-6  
Acute oral toxicity (LD-50 oral) 8,680 mg/kg ( Rat ) 8,000 mg/kg ( Guinea pig )

### **SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

### **SECTION 13 - WASTE DISPOSAL CONSIDERATIONS**

Disposal Method : Dispose as hazardous waste according to all local, state, federal and provincial regulations.

### **SECTION 14 - TRANSPORTATION / SHIPPING DATA**

**TDG / DOT Shipping Description:**  
NOT REGULATED

### **SECTION 15 - REGULATORY INFORMATION**

**North American Inventories:**

All components are listed or exempt from the TSCA inventory.

This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

**Canadian Regulations:**

WHMIS Classification : D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

**Other Regulations:**

Regulatory VOC (less water and exempt solvent) : 0 g/l



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**SECTION 16 - OTHER INFORMATION**

**HMIS Rating :**

Health	2
Flammability	0
Reactivity	1
PPE	

0 = Minimum  
 1 = Slight  
 2 = Moderate  
 3 = Serious  
 4 = Severe

**Further information:**

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

**Prepared by: Sewnauth Raghunandan**

**Legend**

- |   |  |
|---|--|
| ACGIH - American Conference of Governmental Hygienists        | OSHA - Occupational Safety and Health Administration     |
| DOT - Department of Transportation                            | PEL - Permissible Exposure Limit                         |
| DSL - Domestic Substance List                                 | RCRA - Resource Conservation and Recovery Act            |
| EPA - Environmental Protection Agency                         | STEL - Short Term Exposure Limit                         |
| HMIS - Hazardous Materials Information System                 | TLV - Threshold Limit Value                              |
| IARC - International Agency for Research on Cancer            | TSCA - Toxic Substances Control Act                      |
| MSHA - Mine Safety Health Administration                      | TWA - Time Weighted Average                              |
| NDSL - Non-Domestic Substance List                            | V - Volume   |
| NIOSH - National Institute for Occupational Safety and Health | VOC - Volatile Organic Compound                          |
| NTP - National Toxicology Program                             | WHMIS - Workplace Hazardous Materials Information System |