1. Product and company identification

<table>
<thead>
<tr>
<th>Trade name</th>
<th>Diexter-G 4555-320</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main component CAS</td>
<td>36609-31-1</td>
</tr>
<tr>
<td>Material uses</td>
<td>Saturated polyester resin.</td>
</tr>
<tr>
<td>Supplier/Manufacturer</td>
<td>COIM USA</td>
</tr>
<tr>
<td></td>
<td>286 Mantua Grove Road</td>
</tr>
<tr>
<td></td>
<td>West Deptford (Paulsboro)</td>
</tr>
<tr>
<td></td>
<td>N.J. 08066</td>
</tr>
</tbody>
</table>

In case of emergency:
- CANUTEC (613) 996-6666
- CHEMTREC, U.S.: (800) 424-9300
- International: (703) 527-3887

2. Hazards identification

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Clear liquid @ 25°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>Odorless.</td>
</tr>
<tr>
<td>Hazard status</td>
<td>This material is classified as hazardous under OSHA regulations.</td>
</tr>
<tr>
<td>Emergency overview</td>
<td>WARNING!</td>
</tr>
</tbody>
</table>

- CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN damage. BIRTH DEFECT HAZARD - CONTAINS MATERIAL WHICH CAN CAUSE BIRTH DEFECTS.
- Avoid exposure - obtain special instructions before use. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid exposure during pregnancy. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.

Potential acute health effects
- **Eyes**: Irritating to eyes.
- **Skin**: Irritating to skin.
- **Inhalation**: Irritating to respiratory system.
- **Ingestion**: May be harmful if swallowed.

Potential chronic health effects
- **CARCINOGENIC EFFECTS**: Classified None. by NIOSH [Ethanediol]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Ethanediol].
- **MUTAGENIC EFFECTS**: Not available.
- **TERATOGENIC EFFECTS**: Classified PROVEN for humans [Ethanediol].

Medical conditions aggravated by over-exposure
- Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

See toxicological information (section 11)

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3-Propanediol, 2,2-diethyl-</td>
<td>126-30-7</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Ethanediol</td>
<td>107-21-1</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

Date of issue: 04/15/2008
4. First aid measures

**Eye contact**: Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention.

**Skin contact**: In case of contact, immediately flush skin with plenty of water for at least 20 minutes. Get medical attention.

**Inhalation**: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

**Ingestion**: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

**Notes to physician**: No specific antidote. Medical staff must contact Poison Control Center.

5. Fire-fighting measures

**Flammability of the product**: Non-flammable.

**Products of combustion**: Decomposition products may include the following materials:
- carbon dioxide
- carbon monoxide

**Extinguishing media**

- **Suitable**: Use an extinguishing agent suitable for the surrounding fire.
- **Not suitable**: None known.

**Special protective equipment for fire-fighters**: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

**Personal precautions**: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

**Environmental precautions**: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods for cleaning up**: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. Handling and storage

**Handling**: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Avoid exposure during pregnancy. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Date of issue**: 04/15/2008
Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Product name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanediol</td>
<td>ACGIH TLV (United States, 1/2007). C: 100 mg/m³ Form: Aerosol OSHA PEL 1989 (United States, 3/1989). CEIL: 125 mg/m³</td>
</tr>
</tbody>
</table>

Engineering measures: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Eyes: Safety glasses.
Skin: Lab coat.
Respiratory: A respirator is not needed under normal and intended conditions of use.
Hands: Natural rubber (latex).

HMIS Code/Personal protective equipment: B

Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.

Hygiene measures: Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

9. Physical and chemical properties

Physical state: Clear liquid @ 25°C
Odor: Odorless.
Relative density: 1.09
Viscosity: Not available.
Solubility: Insoluble in the following materials: cold water and hot water.

10. Stability and reactivity

Stability and reactivity: The product is stable.
Incompatibility with various substances: Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions of reactivity: Slightly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.
11. Toxicological information

Toxicity data

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test / Route</th>
<th>Species</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanediol</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>9530 uL/kg</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>4700 mg/kg</td>
</tr>
</tbody>
</table>

Acute Effects

Eyes: Irritating to eyes.
Skin: Irritating to skin.
Inhalation: Irritating to respiratory system.
Ingestion: May be harmful if swallowed.

Potential chronic health effects:
- CARCINOGENIC EFFECTS: Classified None. by NIOSH [Ethanediol]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Ethanediol].
- MUTAGENIC EFFECTS: Not available.
- TERATOGENIC EFFECTS: Classified PROVEN for humans [Ethanediol].

Target organs:
Contains material which causes damage to the following organs: upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

12. Ecological information

Environmental precautions: No known significant effects or critical hazards.
Products of degradation: Not applicable.

13. Disposal considerations

Waste disposal:
The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

Regulatory information

UN/IMDG/IATA/DOT: Not regulated.

15. Regulatory information

United States

HCS Classification: Irritating material
Target organ effects

U.S. Federal regulations:
- United States inventory (TSCA 8b): All components are listed or exempted.
- SARA 302/304/311/312 extremely hazardous substances: No products were found.
- SARA 302/304 emergency planning and notification: No products were found.
- SARA 302/304/311/312 hazardous chemicals: Ethanediol
- SARA 311/312 MSDS distribution - chemical inventory - hazard identification:
  Ethanediol: Immediate (acute) health hazard, Delayed (chronic) health hazard

Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.

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Clean Air Act (CAA) 112 accidental release prevention: No products were found.
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

**SARA 313**

<table>
<thead>
<tr>
<th>Product name</th>
<th>CAS number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanediol</td>
<td>107-21-1</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

Form R - Reporting requirements: Ethanediol 107-21-1 1 - 5
Supplier notification: Ethanediol 107-21-1 1 - 5

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

**State regulations**

- Connecticut Carcinogen Reporting: None of the components are listed.
- Connecticut Hazardous Material Survey: None of the components are listed.
- Florida substances: None of the components are listed.
- Illinois Chemical Safety Act: None of the components are listed.
- Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
- Louisiana Reporting: None of the components are listed.
- Louisiana Spill: None of the components are listed.
- Massachusetts Substances: The following components are listed: Ethanediol
- Michigan Critical Material: None of the components are listed.
- Minnesota Hazardous Substances: None of the components are listed.
- New Jersey Hazardous Substances: The following components are listed: Ethanediol
- New Jersey Spill: None of the components are listed.
- New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
- New York Acutely Hazardous Substances: The following components are listed: Ethanediol
- New York Toxic Chemical Release Reporting: None of the components are listed.
- Pennsylvania RTK Hazardous Substances: The following components are listed: Ethanediol
- Rhode Island Hazardous Substances: None of the components are listed.
- California prop. 65: No products were found.

**International lists**

This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, Australia (AICS), on Canada (DSL), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

**16. Other information**

**Label requirements (U.S.A.)**

CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE. BIRTH DEFECT HAZARD - CONTAINS MATERIAL WHICH CAN CAUSE BIRTH DEFECTS.

**Hazardous Material Information System (U.S.A.)**

<table>
<thead>
<tr>
<th>HMIS RATING</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>2</td>
</tr>
<tr>
<td>Fire hazard</td>
<td>0</td>
</tr>
<tr>
<td>Physical Hazard</td>
<td>0</td>
</tr>
<tr>
<td>Personal protection</td>
<td>B</td>
</tr>
</tbody>
</table>

**HAZARD RATINGS**

4- Extreme
3- Serious
2- Moderate
1- Slight
0- Minimal

See section 8 for more detailed information on personal protection.

Date of issue: 04/15/2008
National Fire Protection Association (U.S.A.)

Flammability
Health
Reactivity
Special

References

Date of issue: 04/15/2008
Version: 1

Notice to reader
To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.