Material Safety Data Sheet

DEHYDRATINE #75
Version 1.1
REVISION DATE: 11/06/2007
Print Date 02/26/2010

SECTION 1 - PRODUCT IDENTIFICATION

Trade name : DEHYDRATINE #75
Product code : THD7P05
COMPANY : Euclid Chemical Company
19218 Redwood Road
Cleveland, OH 44110
Telephone : 1-800-321-7628
Emergency Phone: : U.S. only: 1-800-424-9300
International Users Call Collect: 1-703-527-3887

SECTION 2 - HAZARDS IDENTIFICATION

Emergency Overview
Brown. Liquid. 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 : Direct contact may cause mild irritation.
Ingestion : May cause gastrointestinal irritation, nausea, and vomiting.
Skin : May cause mild irritation. May cause sensitization resulting in irritation, itching and redness. May cause a rash.

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

Chronic Health Effects
Prolonged or repeated skin contact with asphalt may result in skin sensitivity, such as irritation, rashes, and dermatitis. Prolonged or repeated exposure to polycyclic aromatic hydrocarbons and other volatiles which are contained in trace amounts in asphalt have been shown to cause cancer or respiratory damage in animals. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

Target Organs: Skin, Eye, Lung

SECTION 3 - PRODUCT COMPOSITION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>40.0 - 70.0</td>
</tr>
<tr>
<td>Asphalt</td>
<td>8052-42-4</td>
<td>40.0 - 70.0</td>
</tr>
<tr>
<td>Inorganic filler</td>
<td>NJ TSRN# 51721300-6107P</td>
<td>5.0 - 10.0</td>
</tr>
<tr>
<td>Potassium bi-chromate</td>
<td>7778-50-9</td>
<td>&lt;1.0</td>
</tr>
</tbody>
</table>

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 at least 15 minutes while holding eye lids apart. Get medical attention immediately.

**Skin contact**: Clean area of contact thoroughly using 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.

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**SECTION 5 - FIRE FIGHTING MEASURES**

- **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 and carbon dioxide can form. Oxides of sulfur can form.
- **Protective equipment for firefighters**: Not applicable. Product is not expected to burn.
- **Fire and explosion conditions**: Not applicable, not expected to burn.

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**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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

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**SECTION 7 - HANDLING AND STORAGE**

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. Store in sealed containers in a dry, ventilated warehouse location above freezing.

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**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Personal protection equipment**

- **Respiratory protection**: Not required under normal conditions of use.
- **Hand protection**: Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.
- **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.
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Protective measures: Use professional judgment in the selection, care, and use. Other equipment not normally required.

Engineering measures: General ventilation is sufficient. Use local exhaust when the general ventilation is inadequate.

**Exposure Limits**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Regulation</th>
<th>Limit</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt</td>
<td>8052-42-4</td>
<td>ACGIH TWA:</td>
<td>0.5 mg/m$^3$</td>
<td>Inhalable fraction. as benzene solubles</td>
</tr>
<tr>
<td>Potassium bi-chromate</td>
<td>7778-50-9</td>
<td>ACGIH TWA:</td>
<td>0.05 mg/m$^3$</td>
<td>as Cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH TWA:</td>
<td>0.01 mg/m$^3$</td>
<td>as Cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA PEL:</td>
<td>1 mg/m$^3$</td>
<td>as Cr</td>
</tr>
</tbody>
</table>

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- **Form:** Liquid
- **Color:** Brown
- **Odor:** Asphalt
- **pH:** 6 - 8
- **Vapour pressure:** Not available.
- **Vapor density:** Heavier than air
- **Melting point/range:** Not available.
- **Freezing point:** Not available.
- **Boiling point/range:** Not available.
- **Water solubility:** Dispersible
- **Specific Gravity:** 1.0
- **% Volatile Weight:** 49.9%

**SECTION 10 - REACTIVITY / STABILITY**

- **Substances to avoid:** Oxidizing agents.
- **Stability:** Material is stable under normal storage, handling, and use.
- **Hazardous polymerization:** Will not occur under normal conditions.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

No Data Available
**SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Disposal Method : Waste not regulated under RCRA. Incinerate at EPA approved facility or dispose of waste in compliance with state and local 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.

**U.S. Federal Regulations:**
- SARA 313 Components : Potassium bi-chromate 7778-50-9
- SARA 311/312 Hazards : Acute Health Hazard
  Chronic Health Hazard
- OSHA Hazardous Components :
  - Asphalt 8052-42-4
  - Potassium bi-chromate 7778-50-9
- OSHA Status: Considered hazardous based on the following criteria:
  - Irritant
  - Carcinogen
- OSHA Flammability : Not Regulated
- Regulatory VOC (less water and exempt solvent) : 0 g/l
- VOC Method 310 : 0 %
- Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen: Potassium bi-chromate 7778-50-9

**U.S. State Regulations:**
- MASS RTK Components : Asphalt 8052-42-4
- Penn RTK Components :
  - Water 7732-18-5
  - Asphalt 8052-42-4
  - Inorganic filler NJ TSRN# 51721300-6107P
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NJ RTK Components
- Water 7732-18-5
- Asphalt 8052-42-4
- Inorganic filler NJ TSRN# 51721300-6107P
- Potassium bi-chromate 7778-50-9

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:
- 8052-42-4 Asphalt
- 7778-50-9 Potassium bi-chromate

SECTION 16 - OTHER INFORMATION

HMIS Rating:

<table>
<thead>
<tr>
<th>Health</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 = Minimum</td>
<td></td>
</tr>
<tr>
<td>1 = Slight</td>
<td></td>
</tr>
<tr>
<td>2 = Moderate</td>
<td></td>
</tr>
<tr>
<td>3 = Serious</td>
<td></td>
</tr>
<tr>
<td>4 = Severe</td>
<td></td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
</tbody>
</table>

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: Rich Mikol

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