1. IDENTIFICATION

Product Identifier

Product Name Ex-Tractor Carpet & Upholstery Cleaner

Other Means of Identification

Product Code 588100

Recommended use of the Chemical and Restrictions on Use

Recommended Use Carpet cleaner concentrate. For industrial use.

Details of the Supplier of the Safety Data Sheet

Northland Chemical Supply Corporation
9655 Newton Ave S.
Bloomington, MN  55431

Emergency Telephone Number

Company Phone Number Phone: 1-800-370-6490
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Green

Physical State Liquid

Odor Piney Citrus

Classification

Serious eye damage/eye irritation Category 2

Hazards Not Otherwise Classified (HNOC)

Causes mild skin irritation.

Signal Word Warning

Hazard Statements

Causes serious eye irritation.

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.
Wear eye/face protection.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing. If eye irritation persists: Get medical advice/attention.

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.
3. COMPOSITION/INFORMATION ON INGREDIENTS

<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>60-100</td>
</tr>
<tr>
<td>Tetrapotassium Pyrophosphate</td>
<td>7320-34-5</td>
<td>5-10</td>
</tr>
<tr>
<td>Ethylene Glycol Monobutyl Ether</td>
<td>111-76-2</td>
<td>1-5</td>
</tr>
<tr>
<td>Sodium Xylene Sulfonate</td>
<td>1300-72-7</td>
<td>1-5</td>
</tr>
</tbody>
</table>

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**

4. FIRST-AID MEASURES

First Aid Measures

- **Eye Contact**
  Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

- **Skin Contact**
  If prolonged contact occurs, rinse thoroughly with water.

- **Inhalation**
  Remove to fresh air.

- **Ingestion**
  Drink plenty of water. If any discomfort persists, obtain medical attention.

**Most Important Symptoms and Effects**

- **Symptoms**
  Exposed individuals may experience eye tearing, redness and discomfort.

**Indication of any Immediate Medical Attention and Special Treatment Needed**

- **Notes to Physician**
  Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- **Suitable Extinguishing Media**
  Water spray (fog). Carbon dioxide (CO2). Dry chemical. Foam.

- **Unsuitable Extinguishing Media**
  Not determined.

- **Specific Hazards Arising from the Chemical**
  None known.

- **Protective Equipment and Precautions for Firefighters**
  As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

- **Personal Precautions, Protective Equipment and Emergency Procedures**
  - **Personal Precautions**
    Use personal protection recommended in Section 8.
  - **Environmental Precautions**
    Avoid release to the environment.

- **Methods and Material for Containment and Cleaning Up**
  - **Methods for Containment**
    Prevent further leakage or spillage if safe to do so.
  - **Methods for Clean-Up**
    Collect in a clean, dry waste container for disposal. Use a water rinse for final clean up.
7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Wash thoroughly after handling. Use personal protection recommended in Section 8. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice.

Conditions for Safe Storage, including any Incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Protect from freezing.

Incompatible Materials None known.

8. EXPOSURE CONTROLS/PERSOual PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Glycol Monobutyl Ether 111-76-2</td>
<td>TWA: 20 ppm</td>
<td>TWA: 50 ppm (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m$^3$ (vacated)</td>
<td>IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m$^3$</td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls

Engineering Controls General ventilation sufficient.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection No protective equipment is needed under normal use conditions.

Skin and Body Protection No protective equipment is needed under normal use conditions.

Respiratory Protection No protective equipment is needed under normal use conditions.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Green</td>
<td>Odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>10.5-11.0</td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>~ 0 °C / ~32 °F</td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>~ 100 °C / ~212 °F</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>n/a-liquid</td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.07</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Completely soluble</td>
<td>@ 25 °C (77 °F)</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

**Reactivity**
Not reactive under normal conditions.

**Chemical Stability**
Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**
None under normal processing.

**Conditions to Avoid**
Keep out of reach of children. Keep from freezing.

**Incompatible Materials**
None known.

**Hazardous Decomposition Products**
When exposed to fire, produces normal products of combustion.

11. TOXICOLOGICAL INFORMATION

**Information on Likely Routes of Exposure**

**Product Information**

**Eye Contact**
Causes serious eye irritation.

**Skin Contact**
Causes mild skin irritation.

**Inhalation**
Avoid breathing vapors or mists.

**Ingestion**
Do not taste or swallow.

**Component Information**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrapotassium Pyrophosphate</td>
<td>-</td>
<td>&gt; 4640 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>7320-34-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethylene Glycol Monobutyl Ether</td>
<td>= 470 mg/kg (Rat)</td>
<td>= 2270 mg/kg (Rat)</td>
<td>= 2.21 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>111-76-2</td>
<td></td>
<td>= 220 mg/kg (Rabbit)</td>
<td>= 450 ppm (Rat) 4 h</td>
</tr>
<tr>
<td>Sodium Xylene Sulfonate</td>
<td>= 7200 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1300-72-7</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Information on Physical, Chemical and Toxicological Effects**

**Symptoms**
Please see section 4 of this SDS for symptoms.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure**

**Carcinogenicity**
Not classifiable as a human carcinogen.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Glycol Monobutyl Ether</td>
<td>A3</td>
<td>Group 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>111-76-2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Legend
ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 3 IARC components are “not classifiable as human carcinogens”

**Numerical Measures of Toxicity**
Not determined

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrapotassium Pyrophosphate 7320-34-5</td>
<td>-</td>
<td>100: 96 h Oncorhynchus mykiss mg/L LC50</td>
<td>-</td>
<td>100: 48 h water flea mg/L EC50</td>
</tr>
<tr>
<td>Ethylene Glycol Monobutyl Ether 111-76-2</td>
<td>-</td>
<td>1490: 96 h Lepomis macrochirus mg/L LC50</td>
<td>2950: 96 h Lepomis macrochirus mg/L LC50</td>
<td>1698 - 1940: 24 h Daphnia magna mg/L EC50</td>
</tr>
</tbody>
</table>

**Persistence/Degradability**
Not determined.

**Bioaccumulation**
Not determined.

**Mobility**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Glycol Monobutyl Ether 111-76-2</td>
<td>0.81</td>
</tr>
</tbody>
</table>

**Other Adverse Effects**
Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes**
Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**
Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**DOT**
Not regulated

**IATA**
Not regulated

**IMDG**
Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**
Not determined

**US Federal Regulations**

**SARA 311/312 Hazard Categories**

Acute Health Hazard: Yes
SARA 313

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>SARA 313 - Threshold Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Glycol Monobutyl Ether</td>
<td>111-76-2</td>
<td>1-5</td>
<td>1.0</td>
</tr>
</tbody>
</table>

US State Regulations

**U.S. State Right-to-Know Regulations**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>State List</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Glycol Monobutyl Ether 111-76-2</td>
<td>MA, NJ, PA</td>
</tr>
</tbody>
</table>

AZ – Arizona Ambient Air Quality Guidelines                      IL – Illinois Toxic Air Contaminate- Carcinogenic
CT – Connecticut Hazardous Air Pollutants                         MA – Massachusetts Right to Know List
CA – California Director’s List of Hazardous Substances            MN – Minnesota Hazardous Substances List
CAP65 – California Prop 65                                          NJ – New Jersey Right to Know List
FL – Florida Substances List                                       PA – Pennsylvania Right to Know List
ID – Idaho Non-Carcinogen Toxic Air Pollutants                     RI – Rhode Island Hazardous Substances List

NFPA

<table>
<thead>
<tr>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

HMIS

<table>
<thead>
<tr>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>0</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Keep Out of Reach of Children. For Industrial and Institutional Use Only.

*Denotes changes from last version.

End of Safety Data Sheet