1. Product and Company Identification

<table>
<thead>
<tr>
<th>Product number</th>
<th>TRUSTED CLEAN CLEAN ALL II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>GENERAL PURPOSE CLEANER</td>
</tr>
<tr>
<td>Effective date</td>
<td>20-Aug-2010</td>
</tr>
<tr>
<td>Company information</td>
<td>PTI</td>
</tr>
<tr>
<td>Company phone</td>
<td>General Assistance 800 826 4405</td>
</tr>
<tr>
<td>Emergency telephone US</td>
<td>800-424-9300</td>
</tr>
<tr>
<td>Emergency telephone outside US</td>
<td>703-527-3887</td>
</tr>
<tr>
<td>Version #</td>
<td>15</td>
</tr>
<tr>
<td>Supersedes date</td>
<td>12-May-2010</td>
</tr>
</tbody>
</table>

2. Hazards Identification

**Emergency overview**
Aerosol. CONTENTS UNDER PRESSURE. Prolonged exposure may cause chronic effects.

**Potential health effects**

- **Routes of exposure**
  - Skin contact. Inhalation. Ingestion.

- **Eyes**
  - Health injuries are not known or expected under normal use.

- **Skin**
  - This product may be harmful if it is absorbed through the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis ( rash ).

- **Inhalation**
  - Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Prolonged inhalation may be harmful.

- **Ingestion**
  - Exposure by ingestion of an aerosol is unlikely. Components of the product may be absorbed into the body by ingestion.

**Target organs**
2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged and may cause blood damage. These effects have not been observed in humans.


**Chronic effects**
Unconsciousness. May be harmful if absorbed through skin. Liver injury may occur. May cause central nervous system disorder ( e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision ) and/or damage. Prolonged skin contact may defat the skin and produce dermatitis. May cause delayed lung injury.

**Signs and symptoms**

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>3 - 5</td>
</tr>
<tr>
<td>n-Butane</td>
<td>106-97-8</td>
<td>1 - 3</td>
</tr>
</tbody>
</table>

Non-hazardous and other components below reportable levels

> 90

4. First Aid Measures

**First aid procedures**

- **Eye contact**
  - Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.

- **Skin contact**
  - Immediately take off all contaminated clothing. Wash off with warm water and soap. Get medical attention if irritation develops or persists.
**Inhalation**
If inhalation of gas/fume/vapor/dust/mist from the material is excessive (air concentration is greater than the TLV or health effects are noticed), immediately remove the affected person(s) to fresh air. Call a physician if symptoms develop or persist.

**Ingestion**
If ingestion of a large amount does occur, call a poison control center immediately.

### 5. Fire Fighting Measures

**Flammable properties**
Heat may cause the containers to explode. Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.

**Extinguishing media**
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

**Protection of firefighters**
In case of fire and/or explosion do not breathe fumes. Containers should be cooled with water to prevent vapor pressure build up. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

### 6. Accidental Release Measures

**Methods for containment**
Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk.

**Methods for cleaning up**
Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

### 7. Handling and Storage

**Handling**
Pressurized container: Do not pierce or burn, even after use. Do not smoke while using or until sprayed surface is thoroughly dry. Do not use if spray button is missing or defective. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure.

**Storage**
Level 1 Aerosol.

Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Keep away from heat and flame. Avoid exposure to long periods of sunlight. Store in cool place. Store in a well-ventilated place. Keep out of the reach of children. Level 1 Aerosol (NFPA 30B)

### 8. Exposure Controls / Personal Protection

**Exposure limits**

<table>
<thead>
<tr>
<th>ACGIH Components</th>
<th>CAS #</th>
<th>TWA</th>
<th>STEL</th>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>20 ppm</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>n-Butane</td>
<td>106-97-8</td>
<td>1000 ppm</td>
<td>Not established</td>
<td>Not established</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OSHA Components</th>
<th>CAS #</th>
<th>TWA</th>
<th>STEL</th>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>50 ppm</td>
<td>Not established</td>
<td>Not established</td>
</tr>
</tbody>
</table>

**Personal protective equipment**

**Skin protection**
Wear appropriate chemical resistant clothing. Wear protective gloves.

**Respiratory protection**
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

### 9. Physical & Chemical Properties

**Appearance**
Compressed liquefied gas.
Boiling point 212 °F (100 °C) estimated
Color Pale yellow
Flammability (HOC) 3.4153 kJ/g estimated
Flash back No
Flash point -156 °F (-104.4 °C) Propellant
Form Aerosol.
Odor Pleasant.
pH 11.8 - 12.8
Physical state Liquid.
Pressure 60 - 75 psig @70F
Solubility Partially
Specific gravity 0.9783 estimated

10. Chemical Stability & Reactivity Information

Chemical stability Risk of ignition.
Conditions to avoid Heat, flames and sparks.
Incompatible materials None known.
Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological Information

Acute effects Acute LD50: 4536 mg/kg estimated, Rat, Dermal
Component analysis - LD50
Toxicology Data - Selected LD50s and LC50s
2-Butoxyethanol 111-76-2 Inhalation LC50 Rat 2.21 mg/L 4 h; Inhalation LC50 Rat 450 ppm 4 h; Oral LD50 Rat 470 mg/kg; Dermal LD50 Rat 2270 mg/kg; Dermal LD50 Rabbit 220 mg/kg
n-Butane 106-97-8 Inhalation LC50 Rat 658 mg/L 4 h
Sensitization Not expected to be hazardous by OSHA criteria.
Teratogenicity Not expected to be hazardous by OSHA criteria.

12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental concerns.

LC50 1190 mg/L, Fish, 96.00 Hours,
EC50 17880 mg/L, Daphnia, 48.00 Hours,
IC50 88.19 mg/L, Algae, 72.00 Hours,

13. Disposal Considerations

Waste codes D001: Waste Flammable material with a flash point <140 F
D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel]
Disposal instructions Contents under pressure. Do not puncture, incinerate or crush. Dispose of this material and its container at hazardous or special waste collection point. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001.

14. Transport Information

Department of Transportation (DOT) Requirements
Basic shipping requirements:
Proper shipping name Consumer commodity
Hazard class ORM-D
Subsidiary hazard class None
Additional information:
Packaging exceptions 156, 306
Packaging non bulk 156, 306
Packaging bulk None
### IMDG

<table>
<thead>
<tr>
<th>Basic shipping requirements:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper shipping name</td>
</tr>
<tr>
<td>Hazard class</td>
</tr>
<tr>
<td>UN number</td>
</tr>
<tr>
<td>Additional information:</td>
</tr>
<tr>
<td>Packaging exceptions</td>
</tr>
<tr>
<td>Item</td>
</tr>
<tr>
<td>Labels required</td>
</tr>
<tr>
<td>Transport Category</td>
</tr>
</tbody>
</table>

### IATA

<table>
<thead>
<tr>
<th>Basic shipping requirements:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper shipping name</td>
</tr>
<tr>
<td>Hazard class</td>
</tr>
<tr>
<td>UN number</td>
</tr>
<tr>
<td>Additional information:</td>
</tr>
<tr>
<td>Packaging exceptions</td>
</tr>
<tr>
<td>Labels required</td>
</tr>
</tbody>
</table>

### 15. Regulatory Information

#### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### U.S. - CERCLA/SARA - Section 313 - Emission Reporting

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CERCLA/SARA Section 313 Emission Reporting</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>Yes</td>
</tr>
</tbody>
</table>

#### Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical

#### CERCLA (Superfund) reportable quantity

None

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<table>
<thead>
<tr>
<th>Section 302 extremely hazardous substance</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 311 hazardous chemical</td>
<td>Yes</td>
</tr>
</tbody>
</table>

#### Inventory categories (311/312)

Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - Yes
Reactivity Hazard - No

#### Inventory status

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)</th>
</tr>
</thead>
<tbody>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of New and Existing Chemicals (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

#### State regulations

<table>
<thead>
<tr>
<th>U.S. - Pennsylvania - RTK (Right to Know) List</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
</tr>
<tr>
<td>n-Butane</td>
</tr>
</tbody>
</table>

Product name: GENERAL PURPOSE CLEANER
Product #: 031-003 Revision date: 20-AUG-2010 Print date: 20-AUG-2010
16. Other Information

**Further information**
HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**
Health: 1
Flammability: 2
Physical hazard: 0
Personal protection:

**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. The information in the sheet was written based on the best knowledge and experience currently available.

**MSDS sections updated**
Regulatory Information: Risk Phrases - Labeling

**Prepared by**
Regulatory Compliance