1. IDENTIFICATION

Product identifier

Product name: Pursue™ Disinfectant Cleaner

Other means of identification

Product code: E3878

Synonyms: None

Recommended use of the chemical and restrictions on use

Recommended use: Hard surface disinfectant, antimicrobial agent and deodorizer

Uses advised against: No information available

Details of the supplier of the safety data sheet

Product information
Amway Corp. (58C-2A)
7575 Fulton Street East
Ada, MI 49355
USA
Tel: 1-800-253-6500

Manufacturer
Lonza Inc.
90 Boroline Road
Allendale, NJ 07401
USA
Tel: 1-201-316-9200

Lonza Inc.
1200 Bluegrass Lakes Pkwy
Alpharetta, GA
USA
Tel: 1-678-624-5800

E-mail address: sds@amway.com

Emergency telephone number

For Transportation Emergencies: ChemTrec @ 1-800-424-9300

Emergency Telephone Number: For Poisoning Emergencies call Amway's poison control service in the United States at 1-616-787-6307. This is a 24-hour number.

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th></th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>1</td>
</tr>
</tbody>
</table>
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Common Name</th>
<th>CAS #</th>
<th>Weight %</th>
<th>Trade secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetrasodium salt</td>
<td>Tetrasodium EDTA</td>
<td>64-02-8</td>
<td>2-3</td>
<td>*</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides</td>
<td>Quaternary ammonium compound</td>
<td>68424-95-3</td>
<td>2-3</td>
<td>*</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides</td>
<td>Quaternary ammonium compound</td>
<td>68424-85-1</td>
<td>1-2</td>
<td>*</td>
</tr>
</tbody>
</table>
**4. FIRST AID MEASURES**

First aid measures

**Eye contact:**
Remove contact lenses. Rinse with gentle stream of water for 15 minutes, holding eyelids open. Get IMMEDIATE medical advice by calling a poison control center, doctor or hospital emergency room.

**Skin contact:**
Rinse skin thoroughly with water. Get medical advice if symptoms develop.

**Inhalation:**
Move to fresh air. If irritation or breathing difficulty develops, GET MEDICAL ADVICE by calling a poison control center, doctor or hospital emergency room.

**Ingestion:**
If victim is a child, give 4-8 ounces of water. For adults, give 8-12 ounces of water. Do not induce vomiting when this product is swallowed. If vomiting occurs spontaneously, keep victim in an upright position. GET MEDICAL ADVICE by calling a poison control center, doctor or hospital emergency room.

**Protection of first-aiders:**
Use personal protective equipment as required.

**Most important symptoms and effects, both acute and delayed**

**Symptoms:**
No information available.

**Indication of any immediate medical attention and special treatment needed**

**Notes to physician:**
Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

**5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media

**Suitable extinguishing media:**

**Unsuitable extinguishing media:**
No information available.

**Specific hazards arising from the chemical**

Fire may produce irritating and/or toxic gases.

**Special protective equipment for fire-fighters**

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures

**Personal precautions:**
Wear appropriate personal protection equipment (respirator, gloves, goggles, and/or faceshield, boots, protective clothing).

**For emergency responders:**
Use personal protective equipment as required.
**Environmental precautions**

See Section 12 for additional Ecological Information. Prevent further leakage or spillage if safe to do so.

**Methods and material for containment and cleaning up**

**Methods for containment:**  
Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods for cleaning up:**  
Collect spillage. Do not flush into surface water or sanitary sewer system.

### 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling:**  
Avoid contact with skin and eyes.

**General hygiene considerations:**  
Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage conditions:**  
Keep container tightly closed. Keep in a dry place. Keep out of the reach of children

**Incompatible materials:**  
Contact with highly reactive chemicals like strong acids, strong bases, oxidizers or reducing agents may cause a dangerous reaction.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure limits:**  
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Derived No Effect Level (DNEL):**  
No information available.

**Predicted No Effect Concentration (PNEC):**  
No information available.

**Appropriate engineering controls**

**Engineering measures:**  
Mechanical ventilation is not normally necessary when this product is used according to product label directions.

**Individual protection measures, such as personal protective equipment**
Eye/face protection: Follow label directions. No special technical protective measures are necessary. Avoid contact with eyes. Where use conditions and/or extent and duration of exposure differ from typical household consumer use, appropriate protective equipment may be necessary to minimize exposures.

Hand protection: Follow label directions. Prevent skin contact by using protective gloves appropriate for the hazard presented by this substance.

Skin and body protection: Follow label directions. Skin and body protection is not normally necessary when this product is used according to product label directions. Where use conditions and/or extent and duration of exposure differ from typical household consumer use, appropriate protective equipment may be necessary to minimize exposures.

Respiratory protection: Follow label directions. Respiratory protective equipment is not normally necessary when this product is used according to product label directions. Where use conditions and/or extent and duration of exposure differ from typical household consumer use, appropriate protective equipment may be necessary to minimize exposures.

General industrial hygiene practice: Where use conditions and/or extent and duration of exposure differ from typical household consumer use, appropriate protective equipment may be necessary to minimize exposures. 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>Semi-viscous; Clear</td>
<td></td>
</tr>
<tr>
<td>Color:</td>
<td>Light yellow</td>
<td></td>
</tr>
<tr>
<td>pH:</td>
<td>11.9 - 13</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point:</td>
<td>&gt; 93.3 °C / &gt; 200 °F</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability limit in air:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor pressure:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor density:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Specific gravity:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Water solubility:</td>
<td>Soluble in water</td>
<td></td>
</tr>
<tr>
<td>Solubility(ies):</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Autoignition temperature:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Kinematic viscosity:</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Dynamic viscosity:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosive properties:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Softening point:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Molecular weight:</td>
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<tr>
<td>VOC content (%):</td>
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<td></td>
</tr>
<tr>
<td>Density:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Bulk density:</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stability:
Stable under normal conditions.

Sensitivity to mechanical impact:
None.

Sensitivity to static discharge:
None.

Possibility of hazardous reactions

Contact with highly reactive chemicals like strong acids, strong bases, oxidizers or reducing agents may cause a dangerous reaction.

Conditions to avoid

Keep out of reach of children.

Incompatible materials:

Not determined.

Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Aggravated medical conditions: Exposure to this product may aggravate pre-existing skin, eye, and respiratory disorders.

Principle routes of exposure: Eye contact, skin contact, ingestion, inhalation

<table>
<thead>
<tr>
<th>Inhalation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation of vapors or mists may cause irritation of the upper respiratory tract.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Eye contact:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avoid contact with eyes. Severely irritating to eyes.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Skin contact:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avoid contact with skin. Irritating to skin.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingestion:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harmful if swallowed. Ingestion of this product can cause irritation of the mouth and throat, upset stomach, nausea, vomiting and diarrhea.</td>
</tr>
</tbody>
</table>

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>Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetrasodium salt 64-02-8</td>
<td>= 10 g/kg ( Rat ) = 1658 mg/kg ( Rat )</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
Information on toxicological effects

Symptoms: No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation
Serious eye damage/eye irritation
Sensitization:
Germ cell mutagenicity:
Carcinogenicity:
Reproductive toxicity:
STOT - single exposure:
STOT - repeated exposure:
Aspiration hazard:

12. ECOLOGICAL INFORMATION

Ecotoxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)]-tetrasodium salt 64-02-8</td>
<td>1.01: 72 h Desmodesmus subspicatus mg/L EC50</td>
<td>41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static</td>
<td>610: 24 h Daphnia magna mg/L EC50</td>
</tr>
</tbody>
</table>

Persistence and degradability

No information available.

Bioaccumulation

No information available

Mobility in soil

No information available.

Other adverse effects

No information available

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: Do not reuse container. Empty containers must be tripled rinsed prior to disposal. Only empty packaging can be recycled.

US EPA Waste Number D002

14. TRANSPORT INFORMATION

This product has been tested against the UN protocol used to classify transportation hazards and it does not meet the definition of a dangerous good in transport.

**DOT:**
- UN/ID No.: Not regulated
- Proper shipping name: Not regulated
- Hazard class: Not regulated
- Packing group: Not regulated

**IMDG/ADR:**
- UN/ID No.: Not regulated
- Proper shipping name: Not regulated
- Hazard class: Not regulated
- Packing group: Not applicable
- Marine pollutant: Not applicable

**ICAO/IATA:**
- UN/ID No.: Not regulated
- Proper shipping name: Not regulated
- Hazard class: Not regulated
- Packing group: Not regulated
- Marine pollutant: Not applicable

The information contained in this document is subject to change or update due to changing government regulations. The user of this document assumes responsibility for complying with all applicable national and international laws and regulations regarding the shipment of Dangerous Goods.

15. REGULATORY INFORMATION

**EPA RCRA Hazardous Waste Classification:** D002

**EPA FIFRA Information:** This chemical is a pesticide product registered by the Environmental Protection Agency (EPA Reg. No. 6836-138-6718) and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

**FIFRA hazard statements:** DANGER: Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed.

16. OTHER INFORMATION

**Key or legend to abbreviations and acronyms used in the safety data sheet**

TWA - TWA (Time-Weighted Average)
STEL - STEL (Short Term Exposure Limit)
ACGIH (American Conference of Governmental Industrial Hygienists)
EPA (Environmental Protection Agency)
RCRA (Resource Conservation and Recovery Act)

The information contained herein is believed to be accurate and represents the best information currently available to us, much of which comes from the manufacturer or supplier of components of this product. Therefore, Access Business Group LLC makes no warranty, express or implied, regarding the accuracy of the data. Health and safety precautions in this data sheet may not be adequate for all individuals and product uses. It is the user's obligation to make certain that this SDS is the most current SDS for the product; to evaluate the information contained in this sheet in connection with the uses to which the product is to be put in the workplace and to use the product safely in accordance with applicable laws and regulations. Access Business Group LLC assumes no responsibility for injury from the use of the product described in this sheet in a way different from that provided in the label directions.

Prepared by: Access Business Group LLC, Environmental, Health and Safety Department, Ada, Michigan, U.S.A.

This data sheet contains changes from the previous version in section(s): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16

***END OF SAFETY DATA SHEET***