



# SAFETY DATA SHEET

## 1. Identification

|   |   |                |
|---|---|----------------|
| <b>Product Identifier</b>                                     | <b>Concentrated Glass Cleaner</b>             |                |
| <b>Other means of identification</b>                          |   |                |
| <b>Product code</b>   | CCL-1120                                      |                |
| <b>Recommended use</b>  | Glass cleaner concentrate.                    |                |
| <b>Recommended restrictions</b>                               | Professional use only.                        |                |
| <b>Manufacturer/distributor/supplier/importer information</b> |   |                |
| <b>Company name</b>   | CCL Supply                                    |                |
| <b>Address</b>  | 801 Mid America Drive<br>Plattsburg, MO 64477 |                |
| <b>Telephone</b>  | (877) 588-8999                                |                |
| <b>Emergency phone number</b>                                 | PERS  | (800) 633-8253 |
|   | 24 hour Emergency                             | (800) 633-8253 |

## 2. Hazard(s) Identification

|                              |                   |             |
|------------------------------|-------------------|-------------|
| <b>Physical hazards</b>      | Flammable liquids | Category 4  |
| <b>Health hazards</b>        | Skin irritant     | Category 2  |
|                              | Eye irritant      | Category 2A |
|                              | Aspiration hazard | Category 1  |
| <b>Environmental hazards</b> | Not classified    |             |
| <b>OSHA defined hazards</b>  | Not listed.       |             |
| <b>Label elements</b>        |                   |             |



|  |  |
|--|--|
| <b>Signal word</b>                               | Danger.  |
| <b>Hazard statement</b>                          | Combustible liquid.<br>May be harmful if swallowed.<br>Causes skin irritation.<br>Causes serious eye irritation.<br>May be fatal if swallowed and enters airways.  |
| <b>Precautionary statement</b>                   |  |
| <b>Prevention</b>                                | Keep away from flames and hot surfaces. No smoking. Wear protective gloves/eye protection/face protection. Wash hands and exposed skin thoroughly after handling.  |
| <b>Response</b>                                  | In case of fire: use water or fire extinguisher to extinguish. IF ON SKIN: Wash with plenty of water for at least 15 minutes. Specific treatment (see section 4 on this SDS). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If sys irritation persists: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER/doctor/medical professional. Do NOT induce vomiting. |
| <b>Storage</b>                                   | Store in a well-ventilated place. Keep cool. Store locked up.  |
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations.  |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None   |
| <b>Supplemental information</b>                  | None   |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name                            | CAS number | %      |
|--|------------|--------|
| 2-butoxyethanol                          | 111-76-2   | 20-30  |
| Other components below reportable levels |            | 90-100 |

### 4. First-aid measures

|   |  |
|---|--|
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.  |
| <b>Skin contact</b>   | Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. |
| <b>Eye contact</b>  | Rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention. Eye wash stations should be located in work area.             |
| <b>Ingestion</b>  | Rinse mouth. Get medical attention if symptoms occur. Do NOT induce vomiting.  |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Dermatitis. Rash. May cause an allergic skin reaction.   |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.  |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.                        |

### 5. Fire-fighting measures

|  |  |
|--|--|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> )  |
| <b>Unsuitable extinguishing media</b>                                | None known   |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.  |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protecting clothing must be worn in case of fire.                        |
| <b>Fire-fighting equipment/instructions</b>                          | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.                           |
| <b>General fire hazards</b>  | Combustible liquid and vapor.  |

### 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors or mists. Ensure adequate ventilation. Remove all sources of ignition. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.  |
| <b>Methods and materials for containment and cleaning up</b>               | <p>Eliminate all ignition sources. Use only non-sparking tools. Take precautionary measures against static discharge. Keep combustibles away from spilled material.</p> <p>Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas.</p> <p>Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> |

Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.

**Environmental precautions** Do not release into the environment (see section 12). Avoid discharge into areas not consistent with package labeling.

## 7. Handling and storage

**Precautions for safe handling** Do not handle, store or open near an open flame, sources of heat or sources of ignition. Do not smoke. Use explosion proof equipment and non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Store in original tightly closed container. Keep away from heat, sparks and open flame. Do not store in extreme conditions.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components      | Type | Value  |
|-----------------|------|--------|
| 2-butoxyethanol | PEL  | 50 ppm |

#### US ACGIH Threshold Limit Values

| Components      | Type | Value  |
|-----------------|------|--------|
| 2-butoxyethanol | STEL | 20 ppm |

### Biological limit values

#### ACGIH Biological Exposure Indices

| Components      | Value    | Determinant | Species | Sampling Time |
|-----------------|----------|-------------|---------|---------------|
| 2-butoxyethanol | 200 mg/g | Creatinine  | Urine   | End of shift. |

**Appropriate engineering controls** Emergency eye wash stations and showers should be readily accessible. Provide natural or mechanical ventilation.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

#### Skin protection

**Hand protection** Wear appropriate chemical resistant gloves.

**Other** None.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations** When using do not smoke or use chewing tobacco. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

### Appearance

**Physical State** Liquid

**Color** Blue.

|  |                        |
|--|------------------------|
| <b>Odor</b>                                    | Citrus.                |
| <b>Odor threshold</b>                          | Not available.         |
| <b>pH</b>                                      | 7.5-8.5                |
| <b>Melting/freezing point</b>                  | 7.3°F (-13.7°C)        |
| <b>Initial boiling point and boiling range</b> | 220°F (104.4°C)        |
| <b>Flash point</b>                             | 194°F (90°C)           |
| <b>Evaporation rate</b>                        | Not available.         |
| <b>Flammability</b>                            | Not available.         |
| <b>Flammability Limits</b>                     |                        |
| <b>Upper</b>                                   | Not available.         |
| <b>Lower</b>                                   | Not available.         |
| <b>Vapor pressure</b>                          | Not available.         |
| <b>Vapor density</b>                           | Not available.         |
| <b>Specific gravity (water=1)</b>              | 0.98 @ 68°F (20°C)     |
| <b>Solubility in water</b>                     | Soluble                |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.         |
| <b>Auto-ignition temperature</b>               | Not available.         |
| <b>Decomposition temperature</b>               | Decomposes on heating. |
| <b>Viscosity</b>                               | 1.7 cP @ 80°F (26.7°C) |

## 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | This product is stable and non-reactive under normal conditions of use.  |
| <b>Chemical stability</b>                 | Material is stable under normal conditions. Store in a cool dark place.  |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.   |
| <b>Conditions to avoid</b>                | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| <b>Incompatible materials</b>             | Strong acids, strong bases, strong oxidizing agents.   |
| <b>Hazardous decomposition products</b>   | Carbon dioxide, carbon monoxide.   |

## 11. Toxicological information

|   |  |
|---|--|
| <b>Information on likely routes of exposure</b>                                     |  |
| <b>Ingestion</b>  | May be harmful if swallowed.                             |
| <b>Inhalation</b>   | Prolonged inhalation may be harmful.                     |
| <b>Skin contact</b>   | May cause mild skin irritation.                          |
| <b>Eye contact</b>  | May cause serious eye irritation                         |
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Dermatitis. Rash. May cause an allergic skin reaction.   |
| <b>Acute toxicity</b>   | This product is considered acutely toxic, do not ingest. |

| <b>Product</b>                           | <b>Route and Species</b> | <b>LD<sub>50</sub></b> |
|--|--------------------------|------------------------|
| Concentrated Glass Cleaner (CAS mixture) |                          |                        |
| <b>Acute</b>                             | <i>Oral, rat</i>         | 5,150 mg/kg estimated  |

\*Estimates for product may be based on additional component data not shown

|   |  |
|---|--|
| <b>Skin corrosion/irritation</b>                                      | Causes skin irritation   |
| <b>Serious eye damage/irritation</b>                                  | Causes serious eye irritation  |
| <b>Respiratory sensitization</b>                                      | Not classified.  |
| <b>Skin sensitization</b>   | Not classified.  |
| <b>Germ cell mutagenicity</b>   | Not classified.  |
| <b>Carcinogenicity</b>  | Not considered a carcinogen.   |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b> |  |
|   | Not Listed.  |
| <b>Reproductive toxicity</b>  | Not classified.  |
| <b>Specific target organ toxicity – single exposure</b>               | Not classified.  |
| <b>Specific target organ toxicity – repeated exposure</b>             | Not classified.  |
| <b>Aspiration hazard</b>  | This product is an aspiration hazard. Do not ingest or allow product into airways. Do NOT induce vomiting if ingested. |

## 12. Ecological information

### Ecotoxicity

| Product                                  | Species             | Test Results                                  |
|--|---------------------|---|
| Concentrated Glass Cleaner (CAS mixture) |                     |   |
| <b>Aquatic</b>                           |                     |   |
| Crustacea                                | Daphnia             | EC <sub>50</sub> (48hr): 1,450 mg/L estimated |
| Fish                                     | Oncorhynchus mykiss | LC <sub>50</sub> (96hr): 690 mg/L estimated   |

\*Estimates for product may be based on additional component data not shown

|                                      |  |
|--------------------------------------|--|
| <b>Persistence and degradability</b> | 2-butoxyethanol is considered readily biodegradable. |
| <b>Bioaccumulative potential</b>     | Potential to bioaccumulate is low.                   |
| <b>Mobility in soil</b>              | Not available.                                       |
| <b>Other adverse effects</b>         | Not available.                                       |

## 13. Disposal considerations

|   |   |
|---|---|
| <b>Disposal instructions</b>              | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. Do not release to the environment. |
| <b>Local disposal regulations</b>         | Dispose in accordance with all applicable regulations   |
| <b>Waste from residues/unused product</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. (see: Disposal instructions).           |
| <b>Contaminated packaging</b>             | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.                 |

## 14. Transport information

### DOT

Not regulated as dangerous goods.

## 15. Regulatory information

### US federal regulations

#### SARA 302 Extremely hazardous substance

Not listed.

#### SARA 304 Emergency release notification

Not listed.

#### SARA 311/312 Hazard Categories

Immediate Hazard - Yes

Delayed Hazard – No

Fire Hazard –Yes

Pressure Hazard – No

Reactivity Hazard – No

#### SARA 313 (TRI reporting)

2-butoxyethanol (Glycol Ether Category)

## 16. Other information, including date of preparation or last revision

|                             |   |
|-----------------------------|---|
| <b>Issue date</b>           | 2/18/2015   |
| <b>Revision date</b>        | 2/18/2015   |
| <b>Version #</b>            | 1   |
| <b>HMIS® ratings</b>        | Health: 2<br>Flammability: 1<br>Physical hazard: 0  |
| <b>NFPA ratings</b>         | Health: 2<br>Flammability: 1<br>Instability: 0  |
| <b>Disclaimer</b>           | The information provided in this Safety Data Sheet is correct to the best of our knowledge, and have been obtained from resources believed to be reliable. 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 related 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 by the text. |
| <b>Revision information</b> | First issue   |