

## 1. Product and Company Identification

**Product Code:** 02061  
**Product Name:** Crystal Clear Concentrated Glass Cleaner 60:1  
**Company Name:** CleanSource  
650 Brennan St.  
San Jose, CA 95131  
**Phone Number:** (408)954-1234  
**Emergency Contact:** ChemTrec (800)424-9300  
**Recommended Use:** Glass & Surface Cleaner  
**Intended Use:** For sale to, use and storage by service persons only.

## 2. Hazards Identification

**Flammable Liquids, Category 3**  
**Serious Eye Damage/Eye Irritation, Category 2A**  
**Target Organ Systemic Toxicity (single exposure), Category 3**  
**Acute Toxicity: Oral, Category 4**  
**Acute Toxicity: Skin, Category 4**  
**Acute Toxicity: Inhalation, Category 4**



**GHS Signal Word:** **Warning**

**GHS Hazard Phrases:** Flammable liquid and vapor.  
Causes serious eye irritation.  
May cause respiratory irritation.  
Harmful if swallowed.  
Harmful in contact with skin.  
Causes skin irritation.  
Harmful if inhaled.

**GHS Precaution Phrases:** Keep container tightly closed.  
Take precautionary measures against static discharge.  
Wash hands thoroughly after handling. Keep out of reach of children.  
Use only outdoors or in a well-ventilated area.  
Do not eat, drink or smoke when using this product.  
Take off contaminated clothing and wash it before reuse.  
Wear protective gloves and eye/face protection as specified by the supplier or the competent authority.

**GHS Response Phrases:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF ON SKIN: Wash with plenty of soap and water.  
IF SWALLOWED: Immediately call a POISON CENTER or physician.

**GHS Storage and Disposal Phrases:** Dispose of contents and container according to the local, city, state and federal regulations. Store in cool dry place at room temperature away from direct sunlight.

### Potential Health Effects (Acute and Chronic):

**Inhalation:** May cause respiratory tract irritation.  
**Skin Contact:** May cause skin irritation.  
**Eye Contact:** Substance causes slight eye irritation.  
**Ingestion:** Causes gastrointestinal irritation with nausea, vomiting and diarrhea.

## 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
67-63-0	Isopropyl alcohol	Proprietary
111-76-2	Ethanol, 2-Butoxy-	Proprietary

## 4. First Aid Measures

### Emergency and First Aid Procedures:

**In Case of Inhalation:** If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical aid immediately.

**In Case of Skin Contact:** In case of contact, flush skin with plenty of water. Get medical aid if irritation develops and persists.

**In Case of Eye Contact:** In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes. Get medical aid.

**In Case of Ingestion:** Do not induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately.

**Note to Physician:** Treat symptomatically and supportively.

## 5. Fire Fighting Measures

**Flash Pt:** > 125.00 F Method Used: Pensky-Marten Closed Cup

**Explosive Limits:** LEL: N/A UEL: N/A

**Autoignition Pt:** NE

**Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

**Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form explosive mixtures with air. Use water spray to keep fire-exposed containers cool.

**Flammable Properties and Hazards:** No data available.

## 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:** Use proper personal protective equipment as indicated in Section 8.  
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Use water spray to dilute spill to a non-flammable mixture. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation.

## 7. Handling and Storage

**Precautions To Be Taken in Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid breathing dust, mist, or vapor. Do not allow to evaporate to near dryness. Do not get in eyes, on skin, or on clothing. Keep away from heat, sparks and flame. Do not ingest or inhale.

**Precautions To Be Taken in** Keep away from heat, sparks and flame. Do not store in direct sunlight. Store in a tightly

**Storing:** closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
67-63-0	Isopropyl alcohol	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.
111-76-2	Ethanol, 2-Butoxy-	PEL: 50 ppm	TLV: 20 ppm	No data.

**Respiratory Equipment (Specify Type):** No special requirements under normal use conditions.

**Eye Protection:** Safety glasses.

**Protective Gloves:** Wear appropriate protective gloves to prevent skin exposure.

**Other Protective Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Engineering Controls (Ventilation etc.):** No special ventilation requirements. General room ventilation is adequate.

## 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [ X ] Liquid [ ] Solid

**Appearance and Odor:** Blue color liquid with solvent odor.

**Melting Point:** NE

**Boiling Point:** > 212.00 F

**Decomposition Temperature:** NE

**Autoignition Pt:** NE

**Flash Pt:** > 125.00 F Method Used: Pensky-Marten Closed Cup

**Explosive Limits:** LEL: N/A UEL: N/A

**Specific Gravity (Water = 1):** 0.960

**Density:** 8.00 LB/GA

**Vapor Pressure (vs. Air or mm Hg):** NE

**Vapor Density (vs. Air = 1):** NE

**Evaporation Rate:** NE

**Solubility in Water:** 100%

**Saturated Vapor Concentration:** NE

**Viscosity:** NP

**pH:** 9.0 - 10.5

**Percent Volatile:** No data.

**VOC / Volume:** 283.0000 G/L

### 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** Light, ignition sources, Excess heat, Incompatible materials.

**Incompatibility - Materials To Avoid:** Strong oxidizing agents.

**Hazardous Decomposition Or Byproducts:** Carbon monoxide, Carbon dioxide.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid - Hazardous Reactions:** None.

### 11. Toxicological Information

**Toxicological Information:** No data available.

**Carcinogenicity/Other Information:** CAS# 111-76-2:  
 Acute toxicity, LD50, Oral, Rat, 470.0 MG/KG.  
 Results:  
 Behavioral: Somnolence (general depressed activity).  
 Behavioral: Muscle weakness.  
 - Dow Chemical Company Reports., Dow Chemical USA, Health and Environment Research, Toxicology Research Lab, Midland, MI 48640, Vol/p/yr: MSD-46,

Acute toxicity, LC50, Inhalation, Rat, 450.0 PPM, 4 H.  
 Results:  
 Behavioral: Ataxia.  
 Nutritional and Gross Metabolic: Weight loss or decreased weight gain.  
 - Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 68,405, 1983

CAS# 67-63-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 111-76-2:  
 ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans.  
 California: Not listed.  
 NTP: Not listed.  
 IARC: Not listed.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

### 12. Ecological Information

**Results of PBT and vPvB assessment:** No data available.

CAS# 111-76-2:  
 LC50, Brine Shrimp (*Artemia salina*), nauplii, 1000000. UG/L, 24 H, Mortality, Water temperature: 24.00 C C.  
 Results:  
 Morphological changes.  
 - Brine Shrimp Bioassay and Seawater BOD of Petrochemicals, Price, K.S., G.T. Waggy, and R.A. Conway, 1974

### 13. Disposal Considerations

**Waste Disposal Method:** Dispose of contents and container according to the local, city, state and federal regulations.

### 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Quart and higher: Limited Quantity.  
 UN1993, Flammable Liquids, n.o.s., (contains Isopropanol), 3, II. ()

**DOT Hazard Class:** 3 FLAMMABLE LIQUID

**UN/NA Number:** UN1993 **Packing Group:** II



**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** UN1993, Flammable Liquids, n.o.s., (contains Isopropanol), 3, II.

**MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:** UN1993, Flammable Liquids, n.o.s., (contains Isopropanol), 3, II.

**AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** UN1993, Flammable Liquids, n.o.s., (contains Isopropanol), 3, II.

### 15. Regulatory Information

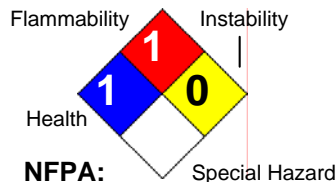
CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
67-63-0	Isopropyl alcohol	CA PROP.65: No
111-76-2	Ethanol, 2-Butoxy-	CA PROP.65: No

### 16. Other Information

**Hazard Rating System:**

HEALTH	1
FLAMMABILITY	1
PHYSICAL	0
PPE	B

**HMIS:**



**Revision Date:** 04/24/2015

**Additional Information About This Product:** No data available.

**Company Policy or Disclaimer:**

The manufacturer believes the data set forth are accurate and makes no warranty with respects thereto and disclaims all liability for reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion.