Material Safety Data Sheet

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For updates please download from www.mgchemicals.com or fax requests to 1-800-708-9888

Section 1: Product Identification

MSDS Code: 4200 - liquid
Name: Anti-static Cleaner
Related Part Numbers: 4200-500ML
Use: For eliminating and preventing static buildup on screens.

Section 2: Hazardous Ingredients

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>Percentage by weight</th>
<th>ACGIH TWA</th>
<th>Osha Pel</th>
<th>Osha Stel</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-63-0</td>
<td>2-propanol</td>
<td>95 - 100</td>
<td>400ppm</td>
<td>400ppm</td>
<td>500ppm</td>
</tr>
<tr>
<td>n/a</td>
<td>anti-static agent</td>
<td>&lt; 1</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
</tr>
</tbody>
</table>

Section 3: Hazards Identification

Eyes: May cause eye irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury.
Skin: May cause skin irritation with pain and stinging, especially if skin is abraded.
Inhalation: May cause respiratory tract irritation. Inhalation of high concentrations may cause central nervous system effects characterized by headache, and dizziness.
Ingestion: Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting, and diarrhea. May cause central nervous system depression.
Chronic: No effects known.

Section 4: First Aid Measure

Eyes: Remove contact lenses. Flush with water or saline for 15 minutes. Get medical aid.
Skin: Wash skin with soap and water for 15 minutes. Get medical aid if symptoms persist.
Inhalation: Immediately remove from exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Ingestion: Do not induce vomiting. If conscious, give 1-2 glasses of water. Get medical aid.
Section 5: Fire Fighting Measures

Autoignition Temperature: 432°C  
Flash Point: 12°C  
LEL / 2 / UEL: 12

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

General Information: Will burn if involved in a fire. Vapors can travel to a source of ignition and flash back. This product is an explosion hazard.

NFPA Ratings:  
Health: 1  Flammability: 3  Reactivity: 0

HMFIS Ratings:  
Health: 1  Flammability: 4  Reactivity: 0  WHMIS Codes: B2, D2B

Section 6: Accidental Release Measures

Spill Procedure: Remove all sources of ignition. Provide adequate ventilation. Wear appropriate personal protection.

Sprinkle absorbent compound onto spill, then sweep into a plastic or metal container. Wipe up further residue with paper towel and place in container. Wash spill area with soap and water.

Section 7: Handling and Storage

Handling: Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale. Do not expose container to heat or flame.

Storage: Keep away from sources of ignition. Store in a cool, dry, well ventilated area, away from incompatible substances.

Section 8: Exposure Controls

Routes of entry: Eyes, ingestion, inhalation, and skin.

Ventilation: Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

Personal Protection: Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact. Use a NIOSH approved respirator when necessary.

Section 9: Physical and Chemical Properties

Physical State: Liquid

Odor: Alcohol

Solubility: Completely

Evaporation Rate: 1.5 (ether=1)

Boiling Point: 82°C  
Specific Gravity: 0.79

Vapor Pressure: 1 PSI @21°C  
Vapor Density: 2.1(Air=1)  
PH: 7

Section 10: Stability and Reactivity

Stability: Stable at normal temperatures and pressures.

Conditions to avoid: Temperatures over 40°C, ignition sources, and incompatible substances.

Incompatibilities: Strong oxidizers, acetaldehyde, chlorine, ethylene oxide, acids and isocyanates, hydrogen + palladium, nitroform, oleum, phosgene, oxygen, aluminum, aluminum trisopropoxide, trinitromethane, barium perchlorate, tetrafluoroborate, chromium trioxide, sodium dichromate + sulfuric acid.

Polymerization: Will not occur.

Decomposition: Carbon monoxide, carbon dioxide, acid smoke and fumes.
**Section 11: Toxicological Information**

- **Sensitization:** (effects of repeated exposure)
  - Prolonged skin contact may cause dermatitis. May cause allergic reaction in some individuals.

- **Carcinogenicity:** (risk of cancer)
  - The ingredients of this product are not classified as being carcinogenic by ACGIH (American Conference of Governmental Industrial Hygienists) or IARC (International Agency for Research on Cancer), not regulated as carcinogens by OSHA (Occupational Safety and Health Administration), and not listed as carcinogens by NTP (National Toxicology Program).

- **Teratogenicity:** (risk of malformation in an unborn fetus)
  - No

- **Reproductive Toxicity:** (risk of sterility)
  - No

- **Mutagenicity:** (risk of heritable genetic effects)
  - No

- **Lethal Exposure Concentrations:**
  - Ingestion (LD50): 6400 mg/kg (rat)
  - Inhalation (LC50): 16000 ppm/8h (rat)
  - Skin (LD50): n/e

**Section 12: Ecological Information**

- **General Information:**
  - Avoid runoff into storm and sewers which lead into waterways. Water runoff can cause environmental damage.

- **Environmental Impact Data:** (percentage by weight)
  - CFC: 0
  - HFC: 0
  - CI.Solv.: 0
  - VOC: 100
  - HCFC: 0
  - ODP: 0

**Section 13: Disposal Information**

- **General Information:**
  - Dispose of in accordance with all local, provincial, state, and federal regulations. Water runoff can cause environmental damage.

**Section 14: Transportation Information**

- **Ground:** (all sizes 1 liter or less)
  - Consumer Commodity, ORM-D.

- **Ground: - Large Sizes:** (all sizes larger than 1 liter)
  - Shipper must be trained and certified. Refer to CFR 49, TDG regulations (Canada).

- **Air:**
  - Shipper must be trained and certified. Refer to IATA regulations.

- **Sea - All Sizes:**
  - Shipper must be trained and certified. Refer to IMDG regulations.

**Section 15: Regulatory Information**

- **SARA** (Superfund Amendments and Reauthorization Act of 1986, USA, 40 CFR 372.4)
  - None of the chemicals in this product have a reportable quantity.

- **EPCRA** (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)
  - This product does not contain any chemicals subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

- **TSCA** (Toxic Substances Control Act of 1976, USA)
  - All substances are TSCA listed.
Section 15: Regulatory Information Cont.

CAA (Clean Air Act, USA)
- This product does not contain any class 1 ozone depleting substances.
- This product does not contain any class 2 ozone depleting substances.
- This product does not contain any chemicals listed as hazardous air pollutants.

California Proposition 65 (Chemicals known to cause cancer or reproductive toxicity, May 1, 1997 revision, USA)
- This product does not contain any chemicals listed.

Health Canada
- Labeling and containers used in this product are listed in compliance with Consumer Chemicals and Container regulations.

Environment Canada
- Chemicals in this product are listed on the Domestic Substances List in the Canadian Environmental Protection Act
- This product does not contain any ozone depleting substances.

Industry and Science Canada
- Labeling, product identity, net quantity declaration, minimum printing type size heights, and packaging of this product is in compliance with the Consumer Packaging and Labeling Act and Regulations. This product is not slack filled in accordance to chapter 4 prohibitions.

Section 16: Other Information

Definitions: n/a = not applicable, n/e = not established

Disclaimer: This material safety data sheet is provided as an information resource only. M.G. Chemicals believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.