

**Safety Data Sheet**  
Kleen Screen

**SECTION I - IDENTIFICATION**

**PRODUCT NAME:** Kleen Screen  
**PRODUCT CODE:** 2540  
**PRODUCT USE:** Electronic screen cleaner  
**COMPANY NAME:** Noble Chemical, Inc.  
**COMPANY ADDRESS:** 2205 Old Philadelphia Pike • Lancaster, PA 17602  
**COMPANY PHONE:** 717-291-9700  
**EMERGENCY PHONE:** 800-255-3924

**SECTION II – HAZARDS IDENTIFICATION**

**CLASSIFICATION:** Liquefied Gas  
**HAZARD STATEMENT(S): WARNING:** Contains gas under pressure; may explode if heated.  
This product contains the following percentage of chemicals of unknown toxicity: 0%  
**PRECAUTIONARY STATEMENTS:** Keep away from heat/sparks/open flames/hot surfaces – No smoking Pressurized container – Do not pierce or burn, even after use Protect from sunlight. Store in a well ventilated place Do not expose to temperatures exceeding 50 °C/122 °F  
**SYMBOL:**



**HAZARDS NOT OTHERWISE CLASSIFIED:** N/A

**SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS**

| HAZARDOUS INGREDIENT | CAS NUMBER | PERCENT |
|----------------------|------------|---------|
| 2-Butoxyethanol      | 111-76-2   | 1-5%    |
| Ethyl Alcohol        | 64-17-5    | 1-5%    |
| Propane/n-Butane     | 68476-86-8 | 3-7%    |

**SECTION IV - FIRST AID MEASURES**

**EYES:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice or attention.  
**INGESTION:** Do not induce vomiting unless directed by medical authority. Immediately rinse mouth with water. Seek medical attention if irritation develops.  
**INHALATION:** Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.  
**SKIN:** Immediately wash with soap and water for 15 minutes. Seek medical attention if irritation develops.  
**ACUTE HEALTH HAZARDS:** Eyes: Redness, tearing, blurred vision  
**CHRONIC HEALTH HAZARDS:** None known  
**NOTE TO PHYSICIAN:** There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

**SECTION V – FIRE-FIGHTING MEASURES**

**EXTINGUISHING MEDIA:** Dry chemical, carbon dioxide, alcohol foam, and water spray or fog.  
**UNSUITABLE EXTINGUISHING MEDIA:** N/A  
**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers.

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**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

**HAZARDOUS COMBUSTION PRODUCTS:** None Known

### SECTION VI – ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTIVE EQUIPMENT:** Refer to section VIII for proper Personal Protective Equipment.

**SPILL:** Use non-combustible material like vermiculite, sand or earth on spill sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations.

**RCRA STATUS:** Not listed as hazardous waste under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

### SECTION VII – HANDLING AND STORAGE

**HANDLING AND STORAGE:** Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F.

**OTHER PRECAUTIONS:** None

**INCOMPATIBILITY:** Strong oxidizers, Alkalies, Acids

### SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

| HAZARDOUS INGREDIENT | OSHA PEL | ACGIH TLV |
|----------------------|----------|-----------|
| 2-Butoxyethanol      | 50 ppm   | 20 ppm    |
| Ethyl Alcohol        | 1000 ppm | 1000 ppm  |
| Propane/n-Butane     | N/A      | 1000 ppm  |

**ENGINEERING CONTROLS / VENTILATION:** Ambient ventilation suitable, forced ventilation should not be required

**RESPIRATORY PROTECTION:** Not required with normal use.

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses

**ADDITIONAL MEASURES:** Follow normal hygiene practices

**EXPOSURE GUIDELINES:** N/A

### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** White Foam

**ODOR:** Pleasant scent

**ODOR THRESHOLD:** N/D

**BOILING POINT:** > 212°F (100°C)

**FREEZING POINT:** N/D

**FLAMMABILITY:** Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29CFR 1910.1200)

**FLASH POINT:** N/D

**AUTOIGNITION TEMPERATURE:** N/D

**LOWER FLAMMABILITY LIMIT:** N/D

**UPPER FLAMMABILITY LIMIT:** N/D

**VAPOR PRESSURE (mm Hg):** 17.5 @ 77°F (25°C)

**VAPOR DENSITY (AIR=1):** 1

**EVAPORATION RATE:** < 0.8 (Slow)

**SPECIFIC GRAVITY (H2O=1):** 0.99

**pH:** 9.6

**SOLUBILITY IN WATER:** 100%

**PARTITION COEFFICIENT: n-OCTANOL/WATER (K<sub>ow</sub>):** N/D

**VOLATILE ORGANIC COMPOUNDS (VOC):** 8.5 %

**DECOMPOSITION TEMPERATURE:** N/D

**VISCOSITY:** N/D

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**SECTION X – STABILITY AND REACTIVITY DATA**

**REACTIVITY:** If exposed to strong oxidizers, presents explosion hazard.  
**CHEMICAL STABILITY:** Stable  
**CONDITIONS TO AVOID:** Temperatures greater than 122°F may cause bursting.  
**INCOMPATIBILITY:** Strong oxidizers, Alkalies, Acids  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCT:** None Known  
**POSSIBLE HAZARDOUS REACTIONS:** None Known

**SECTION XI – TOXICOLOGICAL INFORMATION**

**TOXICOLOGICAL INFORMATION:** **2-Butoxyethanol** (111-76-2) LD<sub>50</sub> (Oral, Rat) 470 mg/kg; Inhalation rat LC<sub>50</sub> (Inhalation, Rat, 4hr) 450 ppm; LD<sub>50</sub> (Dermal, Rabbit) 220 mg/kg; investigated as a tumorigen, mutagen, reproductive effector. Reproductive Toxicity: Has shown teratogenic effects in laboratory animals.  
**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin  
**EYES:** May cause irritation.  
**INGESTION:** Not a likely route of exposure under normal product handling conditions.  
**INHALATION:** Causes dizziness if inhaled directly or exposed to excessive amounts.  
**SKIN:** May cause dryness with prolonged or repeated contact.  
**MEDICAL CONDITION AGGRAVATED:** None known  
**ACUTE HEALTH HAZARDS:** Eyes: Redness, tearing, blurred vision  
**CHRONIC HEALTH HAZARDS:** None known  
**CARCINOGENICITY:** OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

**SECTION XII – ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:** **Ethyl Alcohol** (64-17-5) LC<sub>50</sub> (Fish, 96hr) 12,900-15,300 mg/L; LC<sub>50</sub> (Bacteria, 24hr) 11,200 mg/L; EC<sub>50</sub> (Bacteria, 5-30 min) 34,900 mg/L **2-Butoxy Ethanol** (111-76-2) Toxic to aquatic life only in high concentrations, lethal concentrations not available.  
**BIODEGRADABILITY:** This product is biodegradable.  
**BIOACCUMULATION:** This product is not expected to bioaccumulate.  
**SOIL MOBILITY:** This product is mobile in soil.  
**OTHER ECOLOGICAL HAZARDS:** None Known

**SECTION XIII – DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations.  
**RCRA STATUS:** Not listed as hazardous waste under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

**SECTION XIV - TRANSPORTATION INFORMATION**

**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.  
**HAZARD CLASS/DIVISION:** 2.2  
**UN/NA NUMBER:** UN 1950  
**PACKAGING GROUP:** N/A

**AIR SHIPMENT**

**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.  
**HAZARD CLASS/DIVISION:** 2.2  
**UN/NA NUMBER:** UN 1950

**SHIPPING BY WATER:**

**VESSEL (IMO/IMDG)**  
**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.  
**HAZARD CLASS/DIVISION:** 2.2  
**UN/NA NUMBER:** UN 1950

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ENVIRONMENTAL HAZARDS WATER: N/A

## SECTION XV - REGULATORY INFORMATION

**TSCA STATUS:** All Chemicals are listed or exempt.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** None

**SARA 311/312 HAZARD CATEGORIES:** **2-Butoxyethanol** (111-76-2) Acute health hazard, Chronic health hazard. **Ethyl Alcohol** (64-17-5) Acute Health, Chronic Health, Fire

**SARA 313 REPORTABLE INGREDIENTS:** **2-Butoxyethanol** (111-76-2) 1%

**CLEAN WATER ACT:** None

**STATE REGULATIONS:** This product contains no known chemicals regulated by California's proposition 65. New Jersey's Worker and community Right to Know Act: 2-BUTOXY ETHANOL - 111-76-2; Massachusetts' Right to Know Law: 2-BUTOXY ETHANOL - 111-76-2 Pennsylvania's Right to Know Act: 2-BUTOXY ETHANOL - 111-76-2;

**INTERNATIONAL REGULATIONS:** **2-Butoxyethanol** (111-76-2) Europe (EINECS), Japan (ENCS), Australia (AICS), WHMIS (Canada), DSCL (EEC), NDSL, Korea (ECL), Philippines (PICCS), New Zealand (NZIOC), China (IECS).

**NFPA HEALTH:** 1

**HMIS HEALTH:** 1

**NFPA FLAMMABILITY:** 1

**HMIS FLAMMABILITY:** 1

**NFPA REACTIVITY:** 1

**HMIS REACTIVITY:** 1

**NFPA OTHER:** None

**HMIS PROTECTION:** A

## SECTION XVI - ADDITIONAL INFORMATION

**PREPARATION BY:** Mitch Whitney

**DATE PREPARED:** 12/23/2013

**REVISION DATE:** 06/06/2016

N/A = Not Applicable; N/D = Not Determined

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