

KCC 34644



**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**

**Product Name:** KIMTECH SCIENCE\* KIMWIPES® Ex-L Lens Cleaning Station Solution

**Product Number:** 34622, 34623, 34644

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|--|--|
| Date Prepared:   | 12/9/2004  |
| Manufacturer:  | Kimberly-Clark Corporation<br>1400 Holcomb Bridge Road<br>Roswell, GA 30076-2199<br>United States of America |
| Telephone:<br>MEDICAL EMERGENCY<br>TRANSPORTATION EMERGENCY<br>INFORMATION | 1-877-561-6587<br>Chemtrec 1-800-424-9300<br>1-888-346-4652  |

**Product Use:** Cleaning lenses and other equipment.

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

| <i>Chemical Name</i>               | <i>CAS-No./ EINECS-No</i> | <i>%</i> | <i>EU Classification (67/548/EEC):</i> |
|------------------------------------|---------------------------|----------|--|
| Isopropanol<br>(Isopropyl alcohol) | 67-63-0 / 200-061-7       | 5-10%    | F, Xi R11, R36, R67                    |
| Non-Hazardous<br>Ingredients       | Proprietary               | 90-95%   | Not applicable                         |

See Section 16 for further information on EU Classification.

**3. HAZARDS IDENTIFICATION**

**Emergency Overview:** Clear, colorless liquid. Alcohol odor. Flammable liquid. May cause eye irritation. Keep away from heat and sources of ignition.

**EU Classification (1999/45/EC):** R10 - Flammable.

**US OSHA Classification (29CFR1910.1200):** Combustible liquid. Eye Irritant.

**Canadian WHMIS Classification:** Class B-3 Class D-2-B

**4. FIRST AID MEASURES**

**Inhalation:** Move to fresh air. Seek medical advice if cough, shortness of breath or other respiratory problems occur.

**Skin contact:** Wash off with soap and water. Obtain medical attention if irritation persists.

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention if irritation persists.

**Ingestion:** Call a physician or Poison Control Centre immediately. If victim is conscious, rinse mouth with a small amount of water. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person.

## 5. FIRE-FIGHTING MEASURES

**Flashpoint:** 106°F (41°C)

**Flammable Limits in Air % by Volume:**

**LEL (Lower):** 2.0% ( Isopropanol (Isopropyl alcohol) )

**UEL (Upper):** 12.7% ( Isopropanol (Isopropyl alcohol) )

**Suitable Extinguishing Media:** Water, water fog, foam, carbon dioxide, dry chemical.

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective suit.

**Unusual Fire and Explosion Hazards:** Flammable liquid. Vapors are heavier than air and may flow along surfaces to remote ignition sources and flash back.

**Hazardous Combustion Products:** Carbon monoxide, carbon dioxide.

## 6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate the area. Contain and collect with inert absorbent material and place in a suitable container for disposal. Comply with all federal, state and local regulations.

## 7. HANDLING AND STORAGE

Avoid contact with eyes. When using do not smoke.

Store in a cool, dry, well ventilated area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Chemical Name                   | Exposure limit(s)   |
|---------------------------------|---|
| Isopropanol (Isopropyl alcohol) | 400 ppm PEL-TWA<br>200 ppm TLV-TWA, 400 ppm TLV-STEL<br>200 ppm DFG MAK |

**Ventilation:** No special ventilation normally required.

**Respiratory Protection:** No personal respiratory protective equipment normally required.

**Protective Gloves:** None required for normal use.

**Eye Protection:** None required for normal use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |  |
|---|--|
| Appearance and Odor                           | Clear, colorless liquid. Alcohol odor.         |
| Boiling point/range                           | 212°F (100°C)                                  |
| Melting point/range                           | Not applicable                                 |
| Specific Gravity (water=1)                    | <1.0   |
| Vapor pressure                                | 33 mmHg@20°C (Isopropanol (Isopropyl alcohol)) |
| Vapor density (air=1)                         | 2.1  |
| Solubility                                    | Complete                                       |
| pH  | 7.6  |
| Partition coefficient (n-octanol/water):      | Not available                                  |
| Evaporation Rate (Butyl acetate=1)            | Not available                                  |
| Percent Volatile by Volume (%)                | >99%   |
| Volatile Organic Carbon Compounds (VOC) (g/L) | 130  |

## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** Avoid sparks, flame and excessive heat.

**Materials to avoid:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide.

**Hazardous Polymerization:** Does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Symptoms/Effects of Overexposure:

**Inhalation:** Inhalation may cause respiratory irritation, coughing, shortness of breath, nausea, dizziness, loss of coordination, drowsiness, loss of consciousness and other symptoms of central nervous system depression.

**Skin contact:** Prolonged skin contact may cause skin irritation.

**Eye contact:** Contact with eyes may cause irritation.

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**Ingestion:** May cause mucous membrane and gastrointestinal irritation and other adverse effects.

**Chronic toxicity:** None currently known.

**Medical Conditions Aggravated by Exposure:** Pre-existing skin and lung diseases.

**Carcinogenicity Data:** None of the components of this product is listed as a carcinogen by IARC, NTP, US OSHA or the European Directive (67/48/EEC).

**Reproductive Toxicity:** No adverse effects on reproduction are known.

**Acute Toxicity Values:** Isopropanol (Isopropyl alcohol): LD50 Oral rat 5045 mg/kg; LD50 Skin rabbit 12,800 mg/kg; LC50 Inhalation rat 16,000 ppm/8 hour

## 12. ECOLOGICAL INFORMATION

No data is currently available.

## 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all state, local and federal regulations.

## 14. TRANSPORT INFORMATION

**US DOT Shipping Description:** Excepted from HazMat (49CFR173.150(e))

**IATA Shipping Description (Air):** Alcohols, n.o.s. (Isopropanol), 3, UN1987, III

**IMDG Shipping Description (Vessel):** Alcohols, n.o.s. (Isopropanol), 3, UN1987, III

## 15. REGULATORY INFORMATION

### US Regulations

**EPA Toxic Substances Control Act (TSCA):** All of the components of this product are listed on the TSCA Inventory or exempted from TSCA.

**SARA 302 Listed Chemicals:** None.

**SARA 311/312 Hazard Categories:** Fire Hazard Acute Health

**SARA 313 This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under the SARA Section 313 (40 CFR 372):** None.

**California Proposition 65:** This product does not contain chemicals listed per the Safe Drinking Water and Toxic Enforcement Act of 1986.


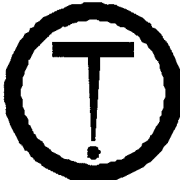
### International Regulations

**Canadian CEPA:** All of the components are either listed on or exempted from the Domestic Substances List (DSL).

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**Canadian WHMIS Classification:**

|   |  |
|---|--|
|  Class B-3 |  Class D-2-B |
|---|--|

**EU Labeling:** R10 - Flammable.

S16 - Keep away from sources of ignition - No smoking.

S51 - Use only in well ventilated areas.

S60 - This material and/or its container must be disposed of as hazardous waste.

**16. OTHER INFORMATION**

**HMIS Rating:** Health 1 Fire 2 Reactivity 0

**Revision Summary:** Revision to section(s) 15.

**EU Classes and Risk Phrases for Reference (See Sections 2 and 3):**

Xi - Irritant

F - Highly flammable

R11 - Highly flammable.

R36 - Irritating to eyes.

R67 - Vapours may cause drowsiness and dizziness.

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