



MATERIAL SAFETY DATA SHEET

Per: 91/155/EEC and ISO 11014-1
Date: October 31, 2007
Number: RJSSH071090MSDSEU

Section I: Chemical Product & Company Identification

Product names (as used on labels and list): LCD Cleaning Kit #421027, Mini Cleaning Kit #421010
Product description: A cleaning solution for screens and audio/video/digital/computer products and accessories (isopropyl alcohol free).
Manufacturer: IC Intracom Asia Co., Ltd. • Far Eastern Technology Center
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Section II: Composition / Information on Ingredients

Water	CAS No. 7732-18-5
A mixture of C8-18 fatty alcohol ethoxylate, a co-polymer of ethylene oxide and propylene oxide	CAS No. 68439-51-0
A blend of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazolin-3-one	CAS No. 55965-84-9
Phosphate ester	CAS No. 95913-20-5

Section III: Hazards Identification

NOTE: This product presents no reported health hazards during normal use; however, read this entire MSDS for a thorough evaluation of any potential hazards.

Possible routes of entry:	Inhalation: yes; Skin: yes; Ingestion: yes; Eyes: yes
Eye contact:	Eye contact can cause irritation.
Skin contact:	Prolonged or repeated skin contact can result in irritation, drying and cracking of the skin.
Inhalation:	Low concentrations can cause mild irritation of eyes, nose and throat; high concentrations can result in headaches.
Ingestion:	Ingestion of large quantities can cause drowsiness, nausea and vomiting.

Section IV: First Aid Measures

Eye contact:	Rinse eyes with water for at least 15 minutes, lifting lids occasionally to remove particles. Get medical attention.
Skin contact:	Wash exposed areas with soap and water. Should irritation persist, get medical attention. Remove contaminated clothing and shoes and wash items before reuse.
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration; if breathing is difficult, give oxygen. Get medical attention.
Ingestion:	Not a likely route of exposure, but induce vomiting if a large amount is swallowed. Get medical attention.

Section V: Firefighting Measures

NOTE: This product is non-flammable.

Extinguishing media:	Dry chemical, carbon dioxide, alcohol foam, water fog.
Special firefighting procedures:	As in any fire, firefighters should wear a self-contained breathing apparatus in full pressure-demand, MSHA/NIOSH-approved (or equivalent) protective gear.
Unusual fire and explosion hazards:	Closed containers exposed to heat can rupture.

Section VI: Accidental Release Measures

Personal precautions:	Wear appropriate personal protective equipment as specified in Section VIII of this MSDS.
Cleanup:	Flush into a sewer, using plenty of water. Otherwise, absorb any spills with vermiculite or another inert material, then place in a container for chemical waste. Prevent spills from entering potable water supplies or streams. Finish clean-up by spreading water on the contaminated surface. Eliminate all ignition sources. Any product recovery or disposal must comply with local, state, federal, international or country-specific regulations.

Section VII: Handling & Storage

NOTE: Keep this product out of reach of children and pets.

Personal precautions:	Use only when power to equipment is off. Protective eyewear and clothing are recommended as needed to prevent excessive contact.
Prevention of fire and explosion:	No special technical protective measures are required.
Storage:	Store in a cool, well-ventilated area away from all sources of ignition (sparks, flames, etc.) and out of direct sunlight. Minimize solid and liquid products' exposure to air. Keep containers tightly closed , and pack lightly for transport to prevent damage.

Section VIII: Exposure Controls & Personal Protection

Occupational exposure controls:	None established.
Medical conditions aggravated by exposure:	None known.
Ventilation:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions.
Respiratory protection:	None should be needed with normal use.
Eye protection:	None should be needed with normal use.
Skin and body protection:	None should be needed with normal use.
Recommended decontamination facilities:	Safety shower, eye wash and washing facilities are recommended as appropriate to conditions.
Workplace hygiene practices:	Wash thoroughly after handling and before eating, drinking or smoking.
Engineering controls:	None required with normal use.

Section IX: Physical & Chemical Properties

Appearance and odor:	Colorless limpid liquid; fragrant.
Solubility in water:	Soluble.
Density:	0.9970g/ml
pH:	5.0
Viscosity:	10.9s VOC: 1.8mg/kg
Conductance:	0.7ms/cm

Section X: Stability & Reactivity

Stability:	The product is considered stable under normal conditions.
Hazardous polymerization:	May not occur.
Incompatibility (materials to avoid):	Nitric acid, sulfuric acid and strong oxidizers. Avoid heat, sparks and flames.
Conditions to avoid:	Direct sunlight, excessive heat and physical damage.
Metal corrosion:	None.

Section XI: Toxicological Information

Carcinogenicity:	IARC: not established. National Toxicology Program: not established. OSHA: not established.
Reproduction toxicity:	Not available.
Teratogenicity:	Not available.
Mutagenicity:	Not available.
Synergistic products:	Not available.
Effects of exposure:	Inhalation: low hazard with recommended handling. Eyes: no specific hazard known; may cause transient irritation. Skin: low hazard with recommended handling. Ingestion: expected to be a low hazard.

Section XII: Ecological Information

NOTE: On the basis of available information, this product is not expected to produce any significant adverse environmental effects when recommended usage instructions are followed.

Section XIII: Disposal Considerations

Waste disposal method:	Discharge, treatment or disposal is subject to national, state, provincial or municipal laws. Consult state or local regulatory authorities before flushing into sewer using a large amount of water.
Empty container warnings:	Empty containers may contain product residue. Follow MSDS and label warnings even after containers have been emptied.

Section XIV: Transport Information

NOTE: Regulations may change from time to time. Consult the most recent version of the relevant regulations.

DOT proper shipping name:	Not regulated.
Packing group:	III (minor danger).
TDG classification:	Non-regulated material.
Hazard class:	Not regulated.
Identification number:	Not applicable.
IMO:	Not regulated.
IATA/ICAO class:	Not regulated.
UN hazard codes:	Not regulated.

Section XV: Regulatory Information

NOTE: For detailed regulations, contact the appropriate agency in your country.

Label notification:	Keep out of reach of children and pets. Not to be ingested.
NFPA hazard code:	Health hazard rating: 0. Fire hazard: 0. Reactivity rating: 0. Special hazard: none.

Section XVI: Other Information

This data is offered in good faith as typical values and not as a product specification. The information in this data sheet was compiled from information supplied by the vendors of the components of this compound. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

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