

# MICROCLAIR INTERNATIONAL INC.

## MATERIAL SAFETY DATA SHEET

### SECTION 01 - MATERIAL IDENTIFICATION

MATERIAL NAME

WHMIS Classification: Class D-2B

MICROCLAIR CT1-X2 (RTU)

Usage: Lens cleaning liquid for various lenses.

Name of manufacturer: Microclair International Inc.  
3050 2e Rue,  
Longueuil, QC  
J3Y 8Y7  
Tel: (450) 656-1110  
Fax: (450) 656-1467  
Toll free number: 1-800-263-1981

### SECTION 02 - HAZARDOUS INGREDIENTS

Ingredient	Conc.	CAS#	#EINECS	Function	Symbol	Risk (R No.)
Isopropyl alcohol	1-5%	67-63-0	200-661-7	solvent	F, Xi	11, 36, 67

All other ingredients are considered non hazardous as per Ingredient Disclosure List (WHMIS 1988) or are present below reportable limits.

### SECTION 03 - HAZARD IDENTIFICATION

Low acute toxicity.  
Not regarded as a health hazard under current legislation

### SECTION 04 - FIRST AID MEASURES

**EYES:** No first aid should be needed. In severe exposure cases promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 20 minutes. Obtain medical attention immediately.

**SKIN:** No first aid should be needed. In severe exposure cases remove affected person from source of contamination. Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water. Get medical attention if irritation persists after washing

**INGESTION:** No first aid should be needed. In severe exposure cases, DO NOT induce vomiting. Immediately rinse mouth. Never induce vomiting or give anything by mouth to a convulsive or unresponsive person. Move person to a comfortable place with fresh air. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Get IMMEDIATE medical attention.

**INHALATION:** No first aid should be needed. In severe exposure cases move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

### SECTION 05 - FIRE AND EXPLOSION HAZARD

Flammable (Y/N): Non flammable  
Flash point: No flash point detected up to 93.3C (TCC)

Extinguishing media: According to nature of the fire. Carbon dioxide (CO2). Dry chemicals, sand, dolomite etc.  
Special firefighting procedures: Cool containers exposed to flames with water until well after the fire is out. Move container from fire area if it can be done without risk. Wear appropriate safety equipment. Use water spray to reduce vapours. If risk of water pollution occurs, notify appropriate authorities.

### SECTION 06 - ACCIDENTAL RELEASE MEASURES

**In case of leak or spill of large quantities:** Wear suitable protective clothing. Ensure good ventilation. Limit access to area to qualified personnel. All equipment used should be grounded. Clean up personnel should use respiratory and/or liquid contact protection in severe spillages. Stop spill or leak if safe to do so. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Avoid runoff or release to sewer, waterway or ground. Dike affected area to contain spill. Absorb and collect released liquids using inert, non-combustible absorbent materials (clay, sand) in a suitable container for disposal. Caution, wet floors may be slippery. If spilt liquid has entered drains or waterways, inform authorities. For small spills, absorb with paper and dispose.

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**SECTION 07 - STORAGE AND HANDLING**

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Handling procedures and equipment: See Sect. 3 & 8 for hazards and precautions. Maintain good personal hygiene. Do not cut, drill, grind or weld on or near this container. Use adequate ventilation. Empty product containers may contain residue and label warnings must be adhered to even when container is empty. Never use pressure to empty drums. Air-dry contaminated clothing in a well-ventilated area before laundering. Do not re-use containers without proper cleaning and re-conditioning (industrial/commercial cleaning).

Storage requirements: Store in a cool, dry, well-ventilated area away from all incompatibles. Avoid damage to containers or dropping container. Keep container closed when not in use.

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**SECTION 08 - PREVENTIVE MEASURES**

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The wearing of personal protection equipment is only generally required when handling large spillages or large volumes which could bring about excessive exposure to the product (spills, leaks, etc). If there is risk of exposure, wear appropriate gear according to needs.

Gloves (type): Use protective gloves made of rubber, synthetic rubber (nitrile) or PVC.

Eye (type): Safety glasses or chemical safety goggles are recommended. It is common procedure to not wear contact lenses when handling chemicals.

Protective clothing: Impervious protective clothing (rubber apron and safety boots) recommended if splashing can occur.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment with organic vapour respirator and full face piece.

Engineering controls: Provide adequate general and local exhaust ventilation In the case of poor ventilation, see above details for respirator use.

Other: Eye bath and potable water source for washing.

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**SECTION 09 - PHYSICAL CHARACTERISTICS**

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Physical state:	clear liquid or slightly yellowish
Odor and appearance:	soapy/alcoholic odor
Boiling point:	>82°C
Freezing point:	~0°C
pH:	~7
Specific gravity (water=1)	0.99-1.01
Solubility in water:	complete
Flash point °C:	No flash detected up to 93.3C (TCC)
Lower flammability limit %:	N/AP
Upper flammability limit %:	N/AP

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**SECTION 10 - REACTIVITY DATA**

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Chemical stability: avoid: heat, sparks, flames. Strong oxidizing agents

Incompatibility with other substances: strong oxidizing agents

Conditions to avoid: strong oxidizing agents, prolonged exposure to heat or direct sunlight

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**SECTION 11 - TOXICOLOGICAL DATA**

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Inhalation: Excessive exposure to high concentrations of vapors may cause drowsiness and dizziness in severe cases.

Eyes: May be mildly irritating to eyes after prolonged exposure, generally no adverse effects are normally expected

Skin: No adverse effects are normally expected.

Health Warnings: Potentially irritating to eyes after direct and long exposure. Contains isopropyl alcohol which may have narcotic effect and is a CNS depressant.

Route of Entry: Skin absorption, ingestion. Skin and eye contact.

Target Organs: Central nervous system. Eyes. Respiratory system, lungs, skin.

Medical symptoms: Contains isopropyl alcohol. Possible irritation of eyes. Dilated pupils. Rhinitis (inflammation of the nasal mucous membranes). Upper respiratory irritation. General respiratory distress. Unproductive cough. Skin Irritation. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo.

Note: This information is based on either test data, extrapolation from tests on similar materials, review of component data, or a combination of these sources

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**SECTION 12 - ECOLOGICAL DATA**

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Material is readily biodegradable.

Ecotoxicity for pure Isopropyl Alcohol 99%:

Ecotoxicity: Material is practically non-toxic to aquatic organisms on an acute basis (LC50 or EC50 >100 mg/L in the most sensitive species tested).

Ecotoxicity (fish species): LC50 96h/fathead minnows: 96450mg/litre, EC50 24h/10000mg/litre.

Ecotoxicity (Freshwater algae data): 1000 mg/L EC50 Desmodesmus subspicatus 96h

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**SECTION 13 - DISPOSAL CONSIDERATIONS**

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ALWAYS DISPOSE OF ACCORDING TO FEDERAL, PROVINCIAL, AND MUNICIPAL REGULATIONS IN EFFECT.

Recycle containers to reduce pollution. Absorb in vermiculite, clay or dry sand for disposal in case of accidental release. Confirm disposal procedures with environmental engineer and local regulations. Incinerate in accordance with local regulations

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**SECTION 14 - TRANSPORT INFORMATION**

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TDG: Product not regulated for transport.

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**SECTION 15 - REGULATORY INFORMATION**

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WHMIS Classification: D-2B

Label for supply according to EEC Directive non required, no special packaging and labelling requirements

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The users attention is drawn to possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations and provisions.

Risk phrases R 36 irritating to eyes

Safety phrases S 2 Keep out of reach of children  
S24/25 Avoid contact with skin and eyes  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

EINECS/TSCA All ingredients listed or exempt

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**SECTION 16 - ADDITIONAL INFORMATION**

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Note: For further health and safety information contact, Health and Safety Office.

Prepared by: MSDS Coordinator

Date: December 2, 2016

Emergency TEL: (514) 636-7779 FAX: (514) 636-2371

NOTES: N/AV = not available N/AP = not applicable N/D = not determined

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\*\*\*END OF MSDS\*\*