

HMIS RATINGS:
Health : 1
Flammability : 0
Reactivity : 0
Personal Protection: B

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: OC OPTICAL CLEANER
Chemical Family : Alkaline Cleaner
Company Identification: CRYSTAL ELECTRONICS INC
2-1251 Gorham St.
Newmarket, ON L3Y 8Y6
905 953-9129
Emergency Telephone Number:(416)910-3087
Date Prepared Jan 4, 2011
MFR: TIDOL CORP
120-2A McLevin Ave
Scarborough, ON M1B 3E9
416 293-2244

Section 2: COMPOSITION, INFORMATION ON INGREDIENTS

CAS NUMBER	CHEMICAL NAME	% BY WGHT.	OSHA PEL/ ACGIH TLV	SARA 302/304(1)*	SARA 313 (2)*	STATE INFO(3)(4)
102-71-6	TRIETHANOLAMINE	< 10.0	5mg/m3	NO	NO NO	

* See Section 15 for more information n/e = none established - n/a = not applicable

Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION: May cause irritation to the eyes and skin.

Primary Route of Entry:Eye contact, skin contact
Acute/Potential Health Effects
EYES: May cause irritation experienced as discomfort or pain, excess blinking and tear production, with redness and swelling of the conjunctiva.
SKIN: Brief contact may cause slight irritation. Prolonged contact may cause defatting or drying of skin.
INHALATION: High concentrations of vapor or mists may cause irritation of the respiratory tract.

INGESTION: May cause nausea, vomiting, diarrhea

Section 3: HAZARDS IDENTIFICATION - continued:

Chronic / Long Term Effects: 2-Butoxyethanol has caused red blood cell hemolysis in lab animals and secondary injury to the liver and kidney.

Signs and Symptoms of Overexposure:
Ingestion may cause nausea, vomiting and diarrhea. Prolonged dermal exposure may cause drying of the skin.

Carcinogenic Information:
This material is not listed as a carcinogen by IARC, NTP or OSHA.

Section 4: FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

SKIN: Flush skin with plenty of water for at least 15 minutes. Wash clothing before reuse. Get medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

INGESTION: Give large quantities of water or milk. Induce vomiting. Get medical attention

Section 5: FIRE FIGHTING MEASURES

Flash Point: No flash by standard methods.

Extinguishing Media: Use appropriate methods for combatting surrounding fire.

Special Fire Fighting Instructions: Wear a self contained breathing apparatus with a full face piece operated in the positive pressure demand mode. Chemical resistant PPE is recommended.

Section 6: ACCIDENTAL RELEASE MEASURES

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Absorb spill with inert material (e.g. dry sand, earth). Prevent runoff from entering drains, sewers or other bodies of water. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

Section 7: HANDLING AND STORAGE

Store in a cool, dry area. Keep from freezing. Keep container closed when not in use. Keep out of reach of children.

Section 8: EXPOSURE CONTROLS and PERSONAL PROTECTION

Eye Protection: Wear safety glasses or goggles.

Skin Protection: To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile or neoprene), clothing and boots.

Respiratory Protection: When respiratory protection is required, use an organic vapor & particulate cartridge. All respiratory programs must meet OSHA's 29 CFR 1910.34 & ANSI Z88.2 r

Engineering Controls: Good general ventilation required.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor	: Clear, liquid with characteristic odor
pH Concentrate	: 10.0
Solubility in Water	: Complete
Vapor Pressure [mmHg]	: n/e
Evaporation Rate (Butyl Acetate=1)	: n/e
Vapor Density [Air=1]	: n/e
Specific Gravity [H2O=1]	: 1.10
Boiling Point	: > 212 F

Section 10: REACTIVITY

Stability Stable

Hazardous Polymerization : Will not occur

Conditions to avoid : High temperature

Hazardous Decomposition Products: None

Incompatibility : Strong acids, oxidizing agents

Section 11: TOXICOLOGICAL INFORMATION

No data.

Section 12: ECOLOGICAL INFORMATION

No data

Section 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Wastes must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: TRANSPORTATION INFORMATION

D.O.T. Shipping Name / Class:

Non regulated for transportation

Section 15: REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA (Toxic Substances Control Act):The intentional ingredients of product are listed.

Title III Section 311/312 Hazardous Categories - 40 CFR 370.2:

ACUTE () Chronic () Fire () Pressure () Reactive () Not Applicable (0

(1) Title III Section 302/304 Extremely Hazardous Substances - 40 CFR 355 Appendix A

(2) Title III Section 313 Toxic Chemicals - 40 CFR 372.65

If indicated under Section 2 of this MSDS, this product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right to Know Act of 1986. This information must be included in all MSDS that are copied and distributed for this material.

RCRA Status: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes a hazardous waste it would be assigned RCRA Codes
D002

State and Local Regulations: Certain states maintain their own ingredient lists which differ slightly from the Federal standards. If indicated under Section 2 of this MSDS, states listed below may have regulations on ingredients contained in this product Check with your state for any additional regulations.

(3) California proposition 65 (Safe Drinking Water & Toxic Enforcement Act of 1986)

(4) Massachusetts (Hazardous Substance Disclosure by Employers)

Section 16: OTHER INFORMATION

This information was compiled from current manufacturer's MSDS's of the component parts of the product.

Disclaimer: The Manufacturer believes that the information contained in the Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.