



MERCOFRAMES OPTICAL CORP

5555 Nw 74 Ave. Miami. Fl. 33166

Tel. 305-882-0120

ale@mercoframes.com

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTITY: **ALL OFF MARKING INK REMOVER**

NEW MSDS DATE: 11/1/2004

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT IDENTITY: ALL OFF MARKING INK REMOVER
COMPANY ADDRESS: 40 Saw Grass Drive, Suite 1
COMPANY CITY: Bellport, NY 11713-1570
COMPANY PHONE: 1-800-678-4768
CHEMTREC PHONE: 1-800-424-9300

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CONTAINS:
10%-20% ETHANOL (64-17-5) [200-578-6],
75%-90% TRADE SECRET MIXTURE

Number in parentheses is CAS #, number in brackets is European EC #.

SECTION 3. HAZARDS IDENTIFICATION

R11 RISK STATEMENTS:
Flammable.

S16 SAFETY STATEMENTS:
Keep away from sources of ignition. No smoking.

SECTION 4. FIRST AID MEASURES

EYE CONTACT: For eyes, flush with plenty of water for 15 minutes & get medical attention.

SKIN CONTACT: Wash thoroughly with soap & water.

INHALATION: Remove to fresh air. If breathing is difficult, give oxygen.
SWALLOWING: If swallowed, call a physician IMMEDIATELY! Induce vomiting promptly using physician's instructions or by having patient stick finger down throat.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

NFPA Class B extinguishers (Carbon Dioxide or foam) for Class I B liquid fires.

FIRE PROCEDURES:

Keep container tightly closed. Isolate from oxidizers, heat, sparks, electric equipment & open flame. Closed containers may explode if exposed to extreme heat.

SECTION 6. ACCIDENTAL RELEASE MEASURES

CLEAN-UP PROCEDURES:

Clean up with absorbent materials. Mop up & dispose of.

SECTION 7. HANDLING AND STORAGE

HANDLING: Avoid breathing of vapor or spray mist. Avoid contact with eyes.

STORAGE: Do not store above 49 C/120 F.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

WORK & HYGIENIC PRACTICES: Wash at end of each work shift & before eating, smoking or using the toilet.

SECTION 9. PHYSICAL DATA

APPEARANCE: Liquid, Water-White

ODOR: Moderate

BOILING RANGE: 71 78 117 C / 161 174 243 F

AUTO IGNITION TEMPERATURE: 343 C / 650 F (Lowest Component)

LOWER FLAMMABLE LIMIT IN AIR (% by vol): 1.4 (Lowest Component)

FLASH POINT (TEST METHOD): -1 C / 59 F (TCC) (Lowest Component)

FLAMMABILITY CLASSIFICATION: Class I B

GRAVITY @ 60 F :

API: 34.2

SPECIFIC GRAVITY (Water=1): .854

POUNDS/GALLON: 7.114

VOC'S (>0.44 Lbs/Sq In): 97.8 Vol. % / 835.0 g/L / 6.955 Lbs/Gal

TOTAL VOC'S (TVOC): 98.0 Vol. % / 834.0 g/L / 6.947 Lbs/Gal

NONEXEMPT VOC'S (CVOC): 98.0 Vol. % / 834.0 g/L / 6.947 Lbs/Gal

HAZARDOUS AIR POLLUTANTS (HAPS): 7.6 Wt. % / 64.6 g/L / .538 Lbs/Gal

VAPOR PRESSURE (mm of Hg)@20 C: 54.1

NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C): 52.6

VAPOR DENSITY (air=1): 2.3

WATER ABSORPTION: Appreciable

REFRACTIVE INDEX: 1.370

SECTION 10. STABILITY & REACTIVITY

STABILITY

Stable

CONDITIONS TO AVOID

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

MATERIALS TO AVOID

Isolate from strong oxidizers such as permanganates, chromates & peroxides.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide from burning.

HAZARDOUS POLYMERIZATION

Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

MATERIAL	CAS #	TWA (OSHA)	TLV (ACGIH)	HAP
ETHANOL	(64-17-5)	400 ppm	400 ppm	No

Each component showing `Yes' under "HAP" is an EPA Hazardous Air Pollutant.

SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

MATERIAL	CAS #	CEILING	STEL (OSHA/ACGIH)
ETHANOL	(64-17-5)	None Known	400 ppm

ACUTE HAZARDS:

EYE & SKIN CONTACT:

Primary irritation to eyes, redness, tearing, blurred vision. Liquid can cause eye irritation.

INHALATION:

Anesthetic.

SWALLOWING:

Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

SUBCHRONIC HAZARDS/CONDITIONS AGGREGATED

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.

SECTION 12. ECOLOGICAL INFORMATION

AQUATIC ANIMAL INFORMATION:

The most sensitive known aquatic group to any component of this product is:

Chub 1000 ppm or mg/L (24 hour exposure).

Keep out of natural water supplies.

MOBILITY

This material is a mobile liquid.

DEGRADABILITY

This product is completely biodegradable.

ACCUMULATION

This product does not accumulate or biomagnify in the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If questions exist, contact the appropriate agencies.

SECTION 14. TRANSPORT INFORMATION

DOT SHIPPING NAME: Flammable Liquids, n.o.s. (Ethanol),3,UN1993,PG-II
DRUM LABEL: (FLAMMABLE LIQUID)
IATA / ICAO: Flammable Liquids, n.o.s. (Ethanol),3,UN1993,PG-II
IMO / IMDG: Flammable Liquids,n.o.s. (Ethanol),3,UN1993,PG-II
EMERGENCY RESPONSE GUIDEBOOK NUMBER: 128

SECTION 15. REGULATORY INFORMATION

EPA REGULATION:
SARA SECTION 311/312 HAZARDS: Fire

SARA TITLE III INGREDIENTS	CAS#	WT. % (REG. SECTION)	RQ(LBS)
ETHANOL	(64-17-5)	16 (311,312)	None

SECTION 15. REGULATORY INFORMATION (CONTINUED)

STATE REGULATIONS:

THIS PRODUCT MEETS REQUIREMENTS OF SOUTHERN
CALIFORNIA AQMD RULE 443.1 & SIMILAR REGULATIONS
INTERNATIONAL REGULATIONS

The components of this product are listed on the chemical inventories of the following countries:
Australia, Canada, Europe (EINECS), Japan, Korea, United Kingdom.

SECTION 16. OTHER INFORMATION

HAZARD RATINGS:
HEALTH (NFPA): 1
HEALTH (HMIS): 2
FLAMMABILITY: 3
REACTIVITY: 0

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

EMPLOYEE TRAINING

Employees should be made aware of all hazards of this material (as stated in this MSDS) before handling it.

NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and here fore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.