



**The Optical Supply Resource**

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## **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 IDENTITY: OPTISOURCE INTERNATIONAL  
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**

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