



**The Optical Supply Resource**

40 Sawgrass Drive, Bellport, NY 11713-1564

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

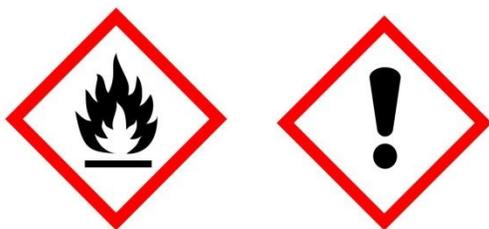
NEW MSDS DATE: 02/27/2015

**SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY**

PRODUCT IDENTITY: ALL OFF MARKING INK REMOVER  
PRODUCT CODE: 99-AO, 99-AO5, 99-AO15, 99-AOxx  
OTHER MEANS OF IDENTIFICATION: All Off  
INTENDED USE: Marking Ink Remover  
RESTRICTIONS ON USE: Only recommended for intended use  
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: 1-703-527-3837

**SECTION 2. HAZARDS IDENTIFICATION**

**Signal Word: Danger**



Hazard Class	Category
Specific target organ toxicity	3
Flammable liquids	2
Skin irritation	2
Eye irritation	2A

**Hazard Statements**

May cause respiratory irritation OR May cause drowsiness or dizziness

Highly flammable liquid and vapor

Causes skin irritation

Causes serious eye irritation

**Precautionary Statements**

Do not breathe dust/fumes/gas/mist/vapors/spray  
Use only outdoors or in a well ventilated area  
Keep away from heat/sparks/open flames/hot surfaces- no smoking  
Keep Container tightly closed  
Ground/Bond container and receiving equipment  
Use explosion proof electrical/ventilation/lighting/ (specify other equipment) equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Wear protective gloves/clothing/eye protection/face protection  
Wash point of contact thoroughly after handling  
Wear protective gloves  
Wear eye/face protection

#### Response Statements

If inhaled: Remove person to fresh air and keep comfortable for breathing  
Call a poison control center/doctor/Chemtrec if you feel unwell  
Take off immediately all contaminated clothing and wash before reuse  
In case of fire, use dry powder, AFFF, alcohol-resistant foam, water in large amounts, carbon dioxide to extinguish  
If on skin: wash with plenty of water  
specific treatment: none known  
if skin irritation or rash occurs: get medical advice/attention  
Take off immediately all contaminated clothing and wash before reuse  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.  
If eye irritation persists: Get medical advice/attention  
Hazards not otherwise classified: None known

### **SECTION 3. Composition/information on ingredients**

CONTAINS:

10%-20% ETHANOL (CAS 64-17-5) [EC 200-578-6],

75%-90% TRADE SECRET MIXTURE

Specific chemical identity and exact concentration of composition has been withheld as a trade secret

### **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.  
MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED: none known.

### **SECTION 5. FIRE FIGHTING MEASURES**

#### EXTINGUISHING MEDIA

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

#### SPECIAL HAZARDS ARISING FROM THE MIXTURE

Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations. Forms explosive peroxides which may be shock sensitive.

Standard protection for all firefighters should include a self-contained breathing apparatus and full fire fighting turn-out gear.

In case of fire, evacuate area. Fight fire from a distance due to the risk of explosion from hazardous decomposition.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

##### CLEAN-UP PROCEDURES:

See section 2 for precautionary statements and sections 2, 8 for PPE

Clean up with inert absorbent materials. Use non-sparking tools. Mop up & dispose of according to local/state/federal regulations.

#### **SECTION 7. HANDLING AND STORAGE**

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

STORAGE: Do not store above 49 C/120 F. Avoid storing with incompatible materials. For list of incompatible materials, please see section 10.

#### **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:**

PEL- 476 PPM

TWA- 1375 ppm- not classifiable as human carcinogen

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

##### Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

##### Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded, a half-face organic vapor respirator may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece organic vapor respirator may be worn up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are

not known, use a full-face piece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

##### Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

##### Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

#### **SECTION 9. PHYSICAL DATA**

APPEARANCE: Liquid,Water-White

ODOR: Moderate

ODOR THRESHOLD: Not available

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

PH: DATA NOT AVAILABLE  
 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)  
 EVAPORATION RATE: DATA NOT AVAILABLE  
 SOLUBILITY: DATA NOT AVAILABLE  
 PARTITION COEFFICIENT: DATA NOT AVAILABLE  
 DECOMPOSITION TEMPERATURE: DATA NOT AVAILABLE  
 FLAMMABILITY CLASSIFICATION: Class I B  
 MELTING POINT: No data available  
 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  
 VISCOSITY: No data available

**SECTION 10. STABILITY & REACTIVITY**

**REACTIVITY:**

Reacts with oxidizers, heat, sparks, electrical equipment and open flame.

**STABILITY**

Stable under normal conditions

**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.

**ACUTE HAZARDS:**

**EYE & SKIN CONTACT:**

Primary irritation to eyes, redness, tearing, blurred vision. Liquid can cause eye irritation. Seek medical attention if exposed or concerned.

**INHALATION:**

Anesthetic. Seek medical attention if exposed or concerned.

**SWALLOWING:**

Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea. Seek medical attention if exposed or concerned.

**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

**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**

Date of last revision: 02/27/2015

Sections altered or reviewed include: all

References: Sigma Aldrich MSDS, Sciencelab MSDS, Easton chemical MSDS

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

Disclaimer:

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