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

NEW MSDS DATE: 06/21/2022

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
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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