

Material Safety Data Sheet

EasyIndex Matched Immersion Oil

Section 1. Identification of the chemical product and of the company

1.1 Product identifier

- Trade name: EasyIndex Matched Immersion Oil
- Catalogue Number: E

1.2 Relevant identified uses of the substance or mixture and uses advised against

Application of the substance / the mixture : Laboratory chemicals.

Restrictions on Use: None identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

LifeCanvas Technologies.

1035 Cambridge Street, Suite 16E, Cambridge MA, 02141

Technical services, customer support: support@lifecanvastech.com

1.4 Emergency telephone number: 617-945-9793. Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION or ACCIDENT.

Section 2. Hazard(s) identification

Information in accordance with U.S. 29 CFR 1910.1200 (Hazcom 2012) and Canada Hazardous Products Regulations (WHMIS 2015):

Classification of the substance or mixture

- Asp. Tox. 1, H304, May be fatal if swallowed and enters airways

Label elements:

Hazard pictogram(s):



GHS08

Signal word:

Danger

Hazard Statements:

H304 May be fatal if swallowed and enters airways.

Precautionary Statements:

P301+310

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331

Do NOT induce vomiting.

P405

Store locked up.

Precautionary statements are listed according to the United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS) – Annex III. Regulations in individual countries/regions may determine which statements are required on the product label. See product label for specifics.

Hazards not otherwise classified:**Physical hazards not otherwise classified:** No Additional Information**Health hazards not otherwise classified:** No Additional Information

Section 3. Composition/information on ingredients

Chemical characterization: Mixtures**Description:** Mixture of the substances listed below.**Listing of dangerous and non-hazardous components:**

Trade Secret	Asp. Tox. 1, H304	40-60%
Trade Secret	Nonhazardous	40-60%

Section 4. First-aid measures

Description of first aid measures**General information** If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.**After inhalation** Supply fresh air; consult doctor in case of complaints.**After skin contact** Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.**After eye contact** Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.**After swallowing** Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.**Information for doctor** If medical advice is needed, have product container or label at hand.**Most important symptoms and effects, both acute and delayed** Gastric or intestinal disorders when ingested.

Section 5. Fire-fighting measures

Extinguishing media:**Suitable extinguishing agents:** Foam, fire-extinguishing powder, gaseous extinguishing agents, carbon dioxide, water fog / haze.**Unsuitable extinguishing agents:** Water stream or water spray.**Special hazards arising from the substance or mixture:****Hazardous combustion products:** Formation of toxic gases is possible during heating or in case of fire.**Special protective equipment and precautions for fire-fighters:** Wear self-contained respirator. Wear fully protective impervious suit.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.**Environmental precautions:** Do not flush liquid into public sewer, water systems or surface waters. Inform

respective authorities in case of seepage into water course or sewage system.

Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, inert absorbent material). Send for recovery or disposal in suitable receptacles. Ensure adequate ventilation.

Prevention of secondary hazards: No special measures needed.

Reference to other sections: See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Section 7. Handling and storages

Handling

Precautions for safe handling: Keep container tightly sealed. Avoid splashes or spray in enclosed areas.

Ensure good ventilation at the workplace. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

Conditions for safe storage, including any incompatibilities: Avoid storage near extreme heat, ignition sources or open flame. Store in a well-ventilated place. Keep cool. Store away from foodstuffs. Store away from oxidizers, strong acids, strong bases. Storage temperatures: 60 – 90°F / 18 – 32 °C. Keep containers tightly sealed.

Section 8. Exposure controls/Personal protection

Control parameters

Components with limit values that require monitoring at the workplace: Trade Secret.

REL (USA): Long-term value: 5 mg/m³, 0.5 ppm

TLV (USA): Long-term value: 4.9 mg/m³, 0.5 ppm nonirradiated

EL (Canada): Long-term value: 0.5 ppm nonirradiated

EV (Canada): Long-term value: 0.5 ppm

LMPE (Mexico): Long-term value

Exposure controls:

Individual protection measures, such as personal protective equipment (PPE):

Eye/face protection: Safety glasses.

Skin and body protection: Wear impervious gloves. Check protective gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.

Respiratory protection: Do not inhale fumes. Work in well ventilated environment.

Further information: Eyewash fountains and safety showers are recommended in the work area.

General protective measures: The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed.

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Form: Liquid

Appearance: Light yellow

Odor: Slight

Odor threshold: Not available

Solubility in water: Not miscible or difficult to mix.

Evaporation rate: < 1.0 (n-Butyl Acetate = 1.0)

Vapor pressure: 0.666 hPa (0.5 mm Hg)

Vapor density: Not available

Viscosity: 39 cSt

Melting point/Freezing point: < 0°C (< 32 °F)

Oxidizing properties: Not determined.

Explosive properties: Not determined.

Decomposition temperature: Not available

Partition coefficient (n-octanol/water): Not available

% Volatile by weight: Not available

VOC: Not available

Boiling point °C: > 230 °C

Boiling point °F: > 446 °F

Flash point: > 120 °C (> 248 °F) (Open Cup)

Auto-ignition temperature: Not available

Flammability (solid, gas): Not applicable (liquid)

Flammability or explosive limits: LFL/LEL Not available, **UFL/UEL** Not available

Section 10. Stability and reactivity

Reactivity: No information known.

Chemical stability: This product is stable under recommended storage conditions.

Possibility of hazardous reactions: Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized. Reacts with strong oxidizing agents. Reacts with strong acids and alkali.

Conditions to avoid: Excessive heat.

Incompatible materials: No information known.

Hazardous decomposition products: Under fire conditions only: Carbon monoxide and carbon dioxide.

Section 11. Toxicological information

Information on likely routes of exposure:

Ingestion, inhalation, eye contact, skin contact.

Acute toxicity information: May be fatal if swallowed and enters airways.

Skin corrosion/irritation: No skin irritation.

Serious eye damage/irritation: Causes serious eye irritation (Category 2A).

Respiratory or skin sensitization: No sensitizing effects known.

Carcinogenicity: Not classified.

Reproductive toxicity: May cause harm to the unborn child.

Specific target organ toxicity (STOT) – single exposure: Not classified.

Specific target organ toxicity (STOT) – repeated exposure: Not classified.

Aspiration hazard: No effects known.

Other toxicity information: No additional information available.

Section 12. Ecological information

Ecotoxicity: No ecological testing has been conducted on this product.

Persistence and degradability: No specific information available.

Bioaccumulative potential: An accumulation in organisms is not expected.

Mobility in soil: No specific information available.

General notes: Do not allow material to be released to the environment without proper governmental permits.

Other adverse effects: No additional information available.

Section 13. Disposal considerations

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Uncleaned Packagings: Disposal must be made according to official regulations.

Section 14. Transport information

The information below is provided to assist in documentation. It may supplement the information on the package. The packing in your possession may carry a different version of the label depending on the date of manufacture. Depending on inner packaging quantities and packaging instructions, it may be subject to specific regulatory exceptions.

UN number: UN3082

UN proper shipping name:

Not regulated – See bill of lading for details

Transport hazard classes:

U.S. DOT hazard class: Exempt

Canada TRG hazard class: N/A

Europe ADR/RID hazard class: 9 (M6) Miscellaneous dangerous substances and articles.

IMDG Code (ocean) hazard class: 9 Miscellaneous dangerous substances and articles.

ICAO/IATA (air) hazard class: N/A

A N/A listing for the hazard class indicates the product is not regulated for transport by that regulation.

Packing group: N/A

Environmental hazards: No

Marine pollutant: Yes. Symbol (fish and tree)

Hazardous substances (USA): Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBS code:

Not applicable.

Special precautions for user: Warning: Miscellaneous dangerous substances and articles.

Section 15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

U.S. federal and state regulations/legislation:

This SDS has been prepared in accordance with the hazard criteria of the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)

Reportable Quantity (RQ):

Not applicable.

U.S. Superfund Amendments and Reauthorization Act (SARA) – SARA Section 313:

This product contains no known toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372.

U.S. TSCA Section 12(b) Export Notification:

All ingredients are listed.

California Proposition 65:

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

None known to be present or none in reportable amounts for occupational exposure as per OSHA's approval of the California Hazard Communication Standard, Federal Register, page 31159 ff, 6 June 1997.

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards:

None known to be present or none in reportable amounts for occupational exposure as per OSHA's approval of the California Hazard Communication Standard, Federal Register, page 31159 ff, 6 June 1997.

Canada regulations/legislation:

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations.

Mexico regulations/legislation:

This SDS contains all the information required by NOM-018-STPS-2000 Workplace Hazardous Chemical Substances Communication and Identification Standard.

Notes: No additional information.

Section 16. Other information.

References: Not available.

Other Special Considerations: Not available.

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The information above is believed to be accurate and represents the best information currently available.

However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.