

Immersion oil**10976-20ML**

Version 1.1

Revision Date 12/16/2022

Print Date 05/11/2023

SECTION 1. IDENTIFICATION

Product name : Immersion oil

Number : 000000022520

Product Use Description : Laboratory chemicals

Manufacturer or supplier's details : Honeywell International Inc.
1953 South Harvey Street
Muskegon, MI 49442

For more information call : 1-800-368-0050
+1-231-726-3171(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**
: **Transportation (CHEMTREC): 1-800-424-9300 or**
: **+1-703-527-3887**
:
: (24 hours/day, 7 days/week)

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Form : liquid

Color : colourless

Odor : aromatic

Classification of the substance or mixture

Classification of the substance : Skin irritation, Category 2
or mixture

GHS Label elements, including precautionary statements

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Symbol(s)

:



Signal word

: Warning

Hazard statements

: Causes skin irritation.

Precautionary statements

: **Prevention:**

Wash skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/ attention.

Take off contaminated clothing and wash before reuse.

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

: Mixture

Chemical name	CAS-No.	Concentration
Hexanedioic acid, bis[(octahydro-4,7-methano-1H-inden-5-yl)methyl] ester	195371-10-9	>=70.00 - <=75.00 %
Benzyl benzoate	120-51-4	>=10.00 - <=20.00 %

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SECTION 4. FIRST AID MEASURES

- General advice : First aider needs to protect himself. Move out of dangerous area. Take off all contaminated clothing immediately.
- Inhalation : Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Use oxygen as required, provided a qualified operator is present. Call a physician.
- Skin contact : Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Call a physician if irritation develops or persists.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Protect unharmed eye. Call a physician.
- Ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If victim is fully conscious, give a cupful of water. Call a physician.

Notes to physician

- Most important symptoms/effects, acute and delayed : No information available.
- Indication of immediate medical attention and special treatment needed, if necessary : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam
Dry chemical
Carbon dioxide (CO₂)
Water spray
- Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:
carbon oxides (CO, CO₂).

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Special protective equipment : Wear self-contained breathing apparatus and protective suit.
for firefighters

Further information : Use extinguishing measures that are appropriate to local
circumstances and the surrounding environment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, : Wear personal protective equipment. Unprotected persons
protective equipment and : must be kept away.
emergency procedures : Ensure adequate ventilation.
: Avoid contact with skin, eyes and clothing.
: Avoid inhalation of vapour or mist.

Environmental precautions : Prevent further leakage or spillage if safe to do so.
: Discharge into the environment must be avoided.
: Do not flush into surface water or sanitary sewer system.

Methods and materials for : Ventilate the area.
containment and cleaning : Soak up with inert absorbent material.
up : Take up mechanically and collect in suitable container for
disposal.
: Dispose of in accordance with local regulations.

SECTION 7. HANDLING AND STORAGE**Handling**

Precautions for safe : Use only in well-ventilated areas.
handling : Wear personal protective equipment.
: Avoid contact with skin, eyes and clothing.

Advice on protection against : Normal measures for preventive fire protection.
fire and explosion

Storage

Conditions for safe storage, : Store in original container.
including any : Keep containers tightly closed in a dry, cool and well-ventilated
incompatibilities : place.

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Keep away from direct sunlight.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- | | | |
|--------------------------|---|--|
| Protective measures | : | Ensure that eyewash stations and safety showers are close to the workstation location.
Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment. |
| Engineering measures | : | Prevent vapour buildup by providing adequate ventilation during and after use. |
| Eye protection | : | Safety goggles |
| Hand protection | : | Impervious gloves
Gloves must be inspected prior to use.
Replace when worn. |
| Skin and body protection | : | Wear suitable protective equipment.
Wear as appropriate:
Impervious clothing |
| Respiratory protection | : | In case of insufficient ventilation, wear suitable respiratory equipment. |
| Hygiene measures | : | When using do not eat, drink or smoke.
Wash hands before breaks and immediately after handling the product.
Keep working clothes separately.
Remove and wash contaminated clothing before re-use. |

Exposure Guidelines

Contains no substances with occupational exposure limit values.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- | | | |
|----------------|---|------------|
| Physical state | : | liquid |
| Color | : | colourless |
| Odor | : | aromatic |

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Odor threshold : Note: No data available

pH : Note: No data available

Melting point/range : Note: No data available

Boiling point/boiling range : ca. 320 °C

Flash point : 480 °F (249 °C)

Evaporation rate : Note: No data available

Lower explosion limit : Note: No data available

Upper explosion limit : Note: No data available

Vapor pressure : < 0.1 hPa
at 20 °C(68 °F)

Vapor density : Note: No data available

Density : 1.093 g/cm³ at 20 °C

Water solubility : Note: immiscible

Partition coefficient:
n-octanol/water : Note: No data available

Ignition temperature : Note: No data available

Auto-ignition temperature : Note: No data available

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Decomposition temperature : Note: No decomposition if stored and applied as directed.

Viscosity, dynamic : Note: No data available

Viscosity, kinematic : 445 mm²/s at 20 °C

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not classified as a reactivity hazard.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : Keep away from heat and sources of ignition.

Incompatible materials : None known.

Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as:
carbon oxides (CO, CO₂).

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : Acute toxicity estimate: 2,500 mg/kg
Method: Calculation method

Acute inhalation toxicity : Note: No data available

Acute dermal toxicity : Note: No data available

Skin irritation : Note: No data available

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Eye irritation : Note: No data available

Sensitisation : Note: No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to fish : Note: No data available

Toxicity to daphnia and other aquatic invertebrates : Note: No data available

Toxicity to algae : Note: No data available

Elimination information (persistence and degradability)

Bioaccumulation : Note: No data available

Biodegradability : Note: No data available

Further information on ecology

Additional ecological information : We have no quantitative data concerning the ecological effects of this product.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Observe all Federal, State, and Local Environmental regulations.

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SECTION 14. TRANSPORT INFORMATION**DOT** Not dangerous goods**TDG** Not dangerous goods**IATA** Not dangerous goods**IMDG** Not dangerous goods**SECTION 15. REGULATORY INFORMATION****Inventories**US. Toxic Substances : Not On TSCA Inventory
Control ActAustralia. Inventory of : Not in compliance with the inventory
Industrial Chemicals (AIC),
as amendedCanada. Canadian : Not in compliance with the inventory
Environmental Protection
Act (CEPA). Domestic
Substances List (DSL)

Japan. Kashin-Hou Law List : Not in compliance with the inventory

Korea. Existing Chemicals : Not in compliance with the inventory
Inventory (KECI)Philippines. Inventory of : Not in compliance with the inventory
Chemicals and Chemical
Substances (PICCS)China. Inventory of Existing : Notified for Research and Development (R&D)
Chemical Substances
(IECSC)New Zealand. Inventory of : Not in compliance with the inventory
Chemicals (NZIoC), as
published by ERMA New

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Zealand

Taiwan Chemical : Not in compliance with the inventory
Substance Inventory (TCSI)

National regulatory information

TSCA : This material must be used in compliance with the TSCA
Research and Development Exemption requirements (40 CFR
720.36).

:

SARA 302 Components : No chemicals in this material are subject to the reporting
requirements of SARA Title III, Section 302.

SARA 313 Components : This material does not contain any chemical components with
known CAS numbers that exceed the threshold (De Minimis)
reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards : Acute Health Hazard

California Prop. 65 : This product does not contain any chemicals known to State of
California to cause cancer, birth defects, or any other
reproductive harm.

New Jersey RTK : Hexanedioic acid, 195371-10-9
bis[(octahydro-4,7-methano-1H-ind
en-5-yl)methyl] ester
: Benzyl benzoate 120-51-4
: nsb

Pennsylvania RTK : Hexanedioic acid, 195371-10-9
bis[(octahydro-4,7-methano-1H-ind
en-5-yl)methyl] ester
: Benzyl benzoate 120-51-4
: nsb

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SECTION 16. OTHER INFORMATION

	HMIS III	NFPA
Health hazard	: 1	1
Flammability	: 1	1
Physical Hazard	: 0	
Instability	:	0

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group