

# SAFETY DATA SHEET

In accordance with Regulation (EC) No. 1907/2006 amended by regulation (EU) 2020/878.

This Safety Data Sheet is based on the Safety Data Sheet, issued 2016-08-16 from the manufacturer of the Immersion oil IO Type 300:

**Company** Cargille Laboratories, 55  
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**E-Mail** compliance@cargille.com  
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## 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

Trade name	Article number
CellaVision Oil Pack, 2 x 150 ml	XU-10135-01
CellaVision Oil Pack, 1 x 150 ml	XU-10135-02
Immersion oil Type 300, 473 ml (16 oz)	XU-10249
Immersion oil, 50 ml	XU-10319

**Contents:** Cargille Immersion Oil Type 300

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

**Conditions of Intended Use:** As a Microscope Immersion Oil at normal room pressure 101.32 kPa (760 mm Hg), temperature 7–40 °C (45–104 °F) in a non-misted/non-airborne state in a room having normal air changes (2)/HR, in a trained and supervised laboratory/industrial setting using standard Good Laboratory/Good Manufacturing procedures. Used in single drop to a few cubic centimeters per application.

**Uses advised against:** Contact manufacturer

### 1.3 Details of the supplier of the safety data sheet

**Company** CellaVision AB  
Mobilvägen 12  
SE-223 62 Lund  
Sweden  
**Telephone** +46-(0)46 460 16 00  
**Website** www.cellavision.com

## 1.4 Emergency telephone number

	Contact	Emergency number	Comment
<b>Europe</b>	Toxicological information	112	
<b>USA and Canada</b>	Toxicological information	911	
<b>New Zealand</b>	National Poison Centre, Dunedin Roche Diagnostics NZ. Ltd.	0800 764 766  0800 652 634 then follow voice prompt	24 hours helpline, <a href="http://www.poisons.co.nz/">http://www.poisons.co.nz/</a> Mon to Fri – 8.30 am to 5.00 pm
<b>Other countries</b>	Toxicological information	Use the built-in emergency number in your cell phone.	

New Zealand Importer:  
Roche Diagnostics NZ Ltd  
ANZ Raranga Building, Level 1, Sylvia Park  
286 Mount Wellington Highway  
Mount Wellington, Auckland 1060, New Zealand  
Tel: +64 9 2764157  
Email: [rdnz.logistics@roche.com](mailto:rdnz.logistics@roche.com)

## 2 HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

- Hazard Class and Category Code: Aquatic Chronic 2
- Hazard Code and Statement: H411 Toxic to aquatic life with long-lasting effects.

### 2.2 Label elements

#### Labeling according to Regulation (EC) No 1272/2008

The product is classified and labeled according to the CLP regulation.

#### Hazard pictogram



#### Signal word:

No signal word is used.

#### Hazard statement:

H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements:

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Labeling of packages where the contents do not exceed 125 ml, according to section 1.5.2 of the Regulation (EC) No 1272/2008.

#### Hazard pictogram



**Signal word:** None  
**Hazard statement:** None  
**Precautionary statements:** None

### 2.3 Other hazards

There are no other hazards not otherwise classified that have been identified.

#### Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH article 57 (f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level of 0.1% or higher.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not relevant (mixture)

### 3.2 Mixtures

Components		
CAS No 8012-95-1 EC No 232-384-2	Paraffin oils Asp. Tox. 1, H304, Aquatic Chronic 4, H413	20-40%
CAS No 9003-29-6 EC No 500-004-7	Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene) Asp. Tox. 1, H304	20-40%
CAS No 26140-60-3 EINECS:247-477-3 Reg. nr.: 01-2119488220-43-XXXX	Terphenyl Aquatic Chronic 1, H410	1- <2.5%

**Additional information:** For the wording of the listed Hazard Statements, refer to section 16.

## 4 FIRST AID MEASURES

### 4.1 Description of first aid measures

#### 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; call for medical help immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

- Gastric or intestinal disorders when ingested.
- Irritant to skin and mucous membranes.

### 4.3 Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

## 5 FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing agents:

- Foam
- Fire-extinguishing powder
- Gaseous extinguishing agents
- Carbon dioxide
- Water haze or fog

#### For safety reasons unsuitable extinguishing agents:

- Water with full jet
- Water spray

### 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

### 5.3 Advice for firefighters

**Protective equipment:**

- Wear self-contained respiratory protective device.
- Wear fully protective suit.

## 6 ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment, and emergency procedures

- Wear protective equipment.
- Keep unprotected persons away.
- Ensure adequate ventilation.

### 6.2 Environmental precautions

- Do not allow to enter sewers/surface or ground water.
- Inform respective authorities in case of seepage into water course or sewage system.

### 6.3 Methods and material for containment and cleaning up

- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Send for recovery or disposal in suitable receptacles.

### 6.4 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.

## 7 HANDLING AND STORAGE

### 7.1 Precautions for safe handling

- Avoid splashes or spray in enclosed areas.
- Information about fire and explosion protection: No special measures required.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage:****Requirements to be met by storerooms and receptacles:**

- Avoid storage near extreme heat, ignition sources or open flame.
- Store in a well-ventilated place. Keep cool.

**Information about storage in one common storage facility:**

- Store away from foodstuffs.
- Store away from oxidizers, strong acids, strong bases.

**Further information about storage conditions:**

- Storage Temperatures: 65–90 °F/18–32 °C.
- Keep container tightly sealed.

### 7.3 Specific end use(s)

No further relevant information available.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Ingredients with limit values that require monitoring at the workplace:

- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- DNELs: No further relevant information available.
- PNECs: No further relevant information available.

### 8.2 Exposure controls

#### Personal protective equipment:

##### General protective and hygienic measures:

- The usual precautionary measures are to be adhered to when handling chemicals.
- Keep away from foodstuffs, beverages, and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Do not inhale gases/fumes/aerosols.
- Avoid contact with eyes and skin.

#### Respiratory protection:

Not required under normal conditions of use.

#### Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/the substance/the preparation.

#### Eye protection:



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

#### Body protection:

Protective work clothing

#### Limitation and supervision of exposure into the environment:

No further relevant information available.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	
Form:	Liquid
Color:	Light yellow
<b>Odor:</b>	Slight
Odor threshold:	Not determined
<b>pH value:</b>	Not applicable
<b>Melting point/Melting range:</b>	<0 °C
<b>Boiling point/Boiling range:</b>	340 °C (1 atm/1.0132 bar)
<b>Flash point:</b>	163 °C (Open Cup)
<b>Flammability (solid, gaseous):</b>	Not applicable
<b>Auto/Self-ignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not determined
<b>Danger of explosion:</b>	Not determined
<b>Explosion limits:</b>	
Lower:	Not determined
Upper:	Not determined
<b>Oxidizing properties:</b>	Not determined
<b>Vapor pressure:</b>	<0.133 hPa (<0.1 mmHg)
<b>Density:</b>	0.923 g/cm <sup>3</sup>
<b>Relative density:</b>	Not determined
<b>Vapor density:</b>	Not determined
<b>Evaporation rate at 20 °C:</b>	<1.0 (n-Butyl Acetate = 1.0)
Solubility in/Miscibility with water:	Not miscible or difficult to mix
<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b>Viscosity:</b>	
Dynamic at 23 °C:	300 cSt
Kinematic at 40 °C:	>20.5 mm <sup>2</sup> /SEC (Estimate)

## 9.2 Other information

No further relevant information available.

# 10 STABILITY AND REACTIVITY

## 10.1 Reactivity

No further relevant information available.

## 10.2 Chemical stability

Stable under normal temperatures and pressures.

### **Thermal decomposition/conditions to be avoided:**

No decomposition if used and stored according to specifications.

## 10.3 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.

## 10.4 Conditions to avoid

- Excessive heat.
- Store away from oxidizing agents.

## 10.5 Incompatible materials

No further relevant information available.

## 10.6 Hazardous decomposition products

### **Under fire conditions only:**

Carbon monoxide and carbon dioxide

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

<b>Acute toxicity:</b>	Based on available data, the classification criteria are not met.
<b>LD/LC50 values relevant for classification</b>	None.
<b>Primary irritant effect</b> Skin corrosion/irritation:  Serious eye damage/irritation:  Respiratory or skin sensitization:	Based on available data, the classification criteria are not met.  Based on available data, the classification criteria are not met.  Based on available data, the classification criteria are not met.
<b>IARC (International Agency for Research on Cancer):</b>	None of the ingredients are listed.
<b>Probable routes of exposure:</b>	Ingestion. Inhalation. Eye contact. Skin contact.
<b>Acute effects (acute toxicity, irritation and corrosivity):</b>	None.
<b>Repeated dose toxicity:</b>	None.
<b>Germ cell mutagenicity:</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity:</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity:</b>	Based on available data, the classification criteria are not met.
<b>STOT-single exposure:</b>	Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure:</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard:</b>	Based on available data, the classification criteria are not met.

## 11.2 Information on other hazards

<b>Endocrine disrupting properties:</b>	Adverse health effects caused by endocrine disrupting properties:  The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH article 57 (f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level of 0.1% or higher.
<b>Other information:</b>	No additional information available

## 12 ECOLOGICAL INFORMATION

### 12.1 Toxicity

**Aquatic toxicity:** No further relevant information available.

### 12.2 Persistence and degradability

No further relevant information available.

### 12.3 Bioaccumulative potential

Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.

### 12.4 Mobility in soil

No further relevant information available.

#### Ecotoxicological effects:

##### Remark:

- Harmful to fish
- Toxic to water fleas

#### Additional ecological information:

##### General notes:

- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Due to available data on eliminability/decomposition and bioaccumulation, potential long-term damage of the environment cannot be excluded.

### 12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 12.6 Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH article 57 (f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level of 0.1% or higher.

## 12.7 Other adverse effects

No data available.

## 12.8 Additional information

No data available.

# 13 DISPOSAL CONSIDERATIONS

## 13.1 Waste treatment methods

### 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 non-hazardous wastes.

### Uncleaned packaging:

**Recommendation:** Disposal must be made according to official regulations.

# 14 TRANSPORT INFORMATION

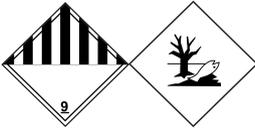
## 14.1 UN or ID number

DOT	Exempt
ADR, IMDG, IATA	UN3082

## 14.2 UN proper shipping name

DOT	Exempt
ADR, IMDG, IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (TERPHENYL)

### 14.3 Transport hazard class(es)

<b>DOT</b>	
<b>Class</b>	Exempt
<b>ADR</b>	
	
<b>Class</b>	(M6) Miscellaneous dangerous substances and articles
<b>Label</b>	9
<b>IMDG, IATA</b>	
	
<b>Class</b>	9 Miscellaneous dangerous substances and articles
<b>Label</b>	9

### 14.4 Packing group

<b>DOT</b>	Exempt
<b>ADR, IMDG, IATA</b>	III

### 14.5 Environmental hazards

<b>Marine pollutant:</b>	Yes Symbol (fish and tree)
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### 14.6 Special precautions for user

**Warning:** Miscellaneous dangerous substances and articles.

<b>Danger code (Kemler):</b>	90
<b>EMS Number:</b>	F-A, S-F

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

<b>Transport/Additional information:</b>	Not regulated when carried in single or combination packaging containing a net quantity of 5 L or less for liquids, or 5 kg or less for solids per the following:  DOT: 171.4(c)(2) ADR: SP 375 IMDG: 2.10.2.7 IATA: special provision A197
<b>ADR</b>	
Transport category:	3
Tunnel restriction code:	E

## 15 REGULATORY INFORMATION

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

#### Carcinogenic Categories

**IARC (International Agency for Research on Cancer):** None of the ingredients are listed.

#### Directive 2012/18/EU

<b>Named dangerous substances - ANNEX I:</b>	None of the ingredients are listed
<b>Seveso category:</b>	E1 Hazardous to the Aquatic Environment
<b>Qualifying quantity (tonnes) for the application of lower-tier requirements:</b>	100 t
<b>Qualifying quantity (tonnes) for the application of upper-tier requirements:</b>	200 t

#### National regulations:

<b>Water hazard class:</b>	Water hazard class 2 (Self-assessment): hazardous for water
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#### Other regulations, limitations, and prohibitive regulations:

**Substances of very high concern (SVHC) according to REACH, Article 57:** None of the ingredients are listed.

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

## 16 OTHER INFORMATION

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. The information supplied is based on data available to us and is believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to this information presented and Cargille Laboratories assumes no responsibility for the result of the use of this product. This information is furnished upon the condition that the persons responsible for its use shall make their own determination of the suitability of the material for their particular purpose. Please note that we consider the English version to be the authoritative version for compliance and regulatory purposes.

### Relevant phrases:

- H304 May be fatal if swallowed and enters airways.
- H410 Very toxic to aquatic life with long-lasting effects.
- H413 May cause long-lasting harmful effects to aquatic life.

### Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

IMDG: International Maritime Code for Dangerous Goods.

DOT: US Department of Transportation.

IATA: International Air Transport Association.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances.

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH).

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent.

LD50: Lethal dose, 50 percent.

PBT: Persistent, Bioaccumulative, and Toxic.

SVHC: Substances of Very High Concern.

vPvB: very Persistent and very Bioaccumulative.

LDLo: Lowest Lethal Dose Observed.

Asp. Tox. 1: Aspiration hazard – Category 1.

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1.

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2.

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4.

### Sources

Website, European Chemicals Agency ([echa.europa.eu](http://echa.europa.eu)).

Website, US EPA Substance Registry Services ([ofmpub.epa.gov/sor\\_internet/registry/substreg/home/overview/home.do](http://ofmpub.epa.gov/sor_internet/registry/substreg/home/overview/home.do)).

Website, Chemical Abstracts Registry, American Chemical Society ([www.cas.org](http://www.cas.org))

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6.

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers.

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