

# IMMOIL-8CC\_IMMOIL-500CC

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Issue date: 06/23/2021

Revision date: 06/23/2021

Version: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : IMMOIL-8CC\_IMMOIL-500CC

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial  
Use of the substance/mixture : Microscopes-Immersion Liquids for Light Microscopy

##### 1.2.2. Uses advised against

No additional information available

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

##### Manufacturer

OLYMPUS CORPORATION  
Shinjuku Monolith, 3-1 Nishi-Shinjuku 2-chome, Shinjuku-ku,  
Tokyo 163-0914, Japan  
T +81-120-58-0414/+81-3-3340-2111 - F +81-3-6901-4251

##### Supplier

Olympus Europa SE & Co. KG  
Wendenstrasse 20  
20097 Hamburg - Germany  
T +49 40 2 37 73 7378  
Andreas.Berg@Olympus-Europa.com

#### 1.4. Emergency telephone number

Emergency number : +44-1865-407333 (Carechem24 English)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Sens. 1 H317  
Aquatic Chronic 2 H411

Full text of hazard classes and H-statements : see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS09

Signal word (CLP) : Warning  
Hazardous ingredients : Benzene, 1,4-dimethyl-2-(1-phenylethyl)-  
Hazard statements (CLP) : H317 - May cause an allergic skin reaction.  
H411 - Toxic to aquatic life with long lasting effects.  
Precautionary statements (CLP) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P391 - Collect spillage.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.  
Unknown acute toxicity (CLP) - SDS : 33% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)  
33% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)  
33% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))  
Unknown hazards to the aquatic environment (CLP) : Contains 85 % of components with unknown hazards to the aquatic environment

# IMMOIL-8CC\_IMMOIL-500CC

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzene, 1,2-dimethyl-4-(1-phenylethyl)- (Disclosure necessary for safe use)	(CAS-No.) 6196-95-8 (EC-No.) 228-249-2	10 – 20	Aquatic Chronic 1, H410
Benzene, 2,4-dimethyl-1-(1-phenylethyl)- (Disclosure necessary for safe use)	(CAS-No.) 6165-52-2 (EC-No.) 228-202-6	10 – 20	Not classified.
Benzene, 1,4-dimethyl-2-(1-phenylethyl)-	(CAS-No.) 6165-51-1 (EC-No.) 228-201-0	5 – < 10	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Sens. 1, H317 STOT SE 2, H371 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Benzene, ethyl(phenylethyl)- (Disclosure necessary for safe use)	(CAS-No.) 64800-83-5 (EC-No.) 265-241-8	5 – 10	Not classified.

Comments : \*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : IF ON SKIN: Wash with plenty of Water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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

- Symptoms/effects after inhalation : May cause irritation to the respiratory tract.
- Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.
- Symptoms/effects after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical powder.
- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

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

- Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon.

### 5.3. Advice for firefighters

- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

# IMMOIL-8CC\_IMMOIL-500CC

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 6: Accidental release measures

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

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

For containment : Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation. Never return spills in original containers for possible later re-use.

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Spilled material may present a slipping hazard.

Precautions for safe handling : Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Wear personal protective equipment.

Hygiene measures : Take off contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace. Wash hands, forearms and face thoroughly after handling.

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

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place.

#### 7.3. Specific end use(s)

Not available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### Hand protection:

Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

##### Eye protection:

Safety glasses or goggles are recommended when using product.

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

# IMMOIL-8CC\_IMMOIL-500CC

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### Environmental exposure controls:

Avoid release to the environment.

### Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear liquid.
Colour	: Colourless
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: < 200 °C (< 392 °F)
Flash point	: 154 °C (309.2 °F) Cleveland Open Cup
Auto-ignition temperature	: < 300 °C (572 °F)
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.918 at 19 °C (66.2 °F)
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Heat. Incompatible materials.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Not classified.

# IMMOIL-8CC\_IMMOIL-500CC

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Unknown acute toxicity (CLP) - SDS	: 33% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 33% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 33% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))
Skin corrosion/irritation	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
Serious eye damage/irritation	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
Reproductive toxicity	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
STOT-single exposure	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
STOT-repeated exposure	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
Aspiration hazard	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Toxic to aquatic life with long lasting effects.
Unknown hazards to the aquatic environment (CLP)	: Contains 85 % of components with unknown hazards to the aquatic environment
Hazardous to the aquatic environment, short-term (acute)	: Not classified.
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

IMMOIL-8CC_IMMOIL-500CC	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

IMMOIL-8CC_IMMOIL-500CC	
Bioaccumulative potential	Not established.

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Additional information	: No other effects known
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Recycle empty containers where allowed.
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## SECTION 14: Transport information

In accordance with ADR / IATA / IMDG

### 14.1. UN number

UN-No. (ADR)	: 3082
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# IMMOIL-8CC\_IMMOIL-500CC

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

UN-No. (IMDG) : 3082

UN-No. (IATA) : 3082

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzene, 1,4-dimethyl-2-(1-phenylethyl)-)

Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzene, 1,4-dimethyl-2-(1-phenylethyl)-)

Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s. (Benzene, 1,4-dimethyl-2-(1-phenylethyl)-)

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 9

Danger labels (ADR) :



#### IMDG

Transport hazard class(es) (IMDG) : 9

Danger labels (IMDG) : 9



#### IATA

Transport hazard class(es) (IATA) : 9

Danger labels (IATA) : 9



### 14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : III

### 14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes

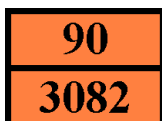
Other information : No supplementary information available.

### 14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

#### - Overland transport

Orange plates :



EAC code : •3Z

#### - Transport by sea

No data available

# IMMOIL-8CC\_IMMOIL-500CC

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### - Air transport

No data available

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no REACH candidate substance.

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes:

None.

Abbreviations and acronyms:

# IMMOIL-8CC\_IMMOIL-500CC

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

°C – Degrees Celsius  
°F – Degrees Fahrenheit  
ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ACGIH – American Conference of Governmental Industrial Hygienists  
ATE – Acute Toxicity Estimate  
BCF – Bioconcentration Factor  
BEI – Biological Exposure Index  
CAS – Chemical Abstracts Service  
CLP – Regulation (EC) No 1272/2008 on the Classification, Labeling and Packaging of substances and mixtures.  
cP – centipoise (unit of dynamic viscosity)  
cSt – centistokes (unit of kinematic viscosity)  
DNEL – Derived No-effect Level  
EC50 – Half maximal effective concentration  
ECHA – European Chemicals Agency  
EC-No. – European Community number  
EU – European Union  
GHS – Globally Harmonized System of Classification and Labelling of Chemicals  
h – Hours  
IATA – International Air Transport Association  
IDLH – Immediately Dangerous to Life or Health  
IMDG – International Maritime Dangerous Goods  
IOELV – Indicative Occupational Exposure Limit Value  
kPa – kilopascal  
Kow – Octanol-Water Partition Coefficient  
LC50 – Median Lethal Concentration  
LD50 – Median Lethal Dose  
mg/l – Milligram per liter  
mg/kg – Milligram per kilogram  
mg/m<sup>3</sup> – Milligram per cubic meter  
Min – Minutes  
NIOSH – National Institute for Occupational Safety and Health  
NOEC – No Observed Effect Concentration  
N.O.S. – Not Otherwise Specified  
OEL – Occupational Exposure Limit  
PBT - Persistent, Bioaccumulative and Toxic  
ppm – Parts per million  
PVC – Polyvinyl chloride  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
RID – European Agreement concerning the International Carriage of Dangerous Goods by Rail  
SDS – Safety Data Sheet  
STEL – Short Term Exposure Limit  
TLV – Threshold Limit Value  
TWA – Time Weighted Average  
UN – United Nations  
vPvB - Very Persistent and Very Bioaccumulative

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 2	Specific target organ toxicity — Single exposure, Category 2
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H371	May cause damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.



# IMMOIL-8CC\_IMMOIL-500CC

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

H411	Toxic to aquatic life with long lasting effects.
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Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Skin Sens. 1	H317	Calculation method
Aquatic Chronic 2	H411	Calculation method

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