

# IMMOIL-8CC\_IMMOIL-500CC

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

Issue date:23/6/2021

Revision date:23/6/2021

Version: 1.0

### SECTION 1: Identification : Product identifier and chemical identity

#### 1.1. Product identifier

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

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Microscopes-Immersion Liquids for Light Microscopy

#### 1.4. Supplier's details

##### Manufacturer

OLYMPUS CORPERATION  
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 Australia Pty Ltd  
3 Acacia Place Notting Hill, VIC 3168  
T 1300 132 992

#### 1.5. Emergency phone number

Emergency number : 13 11 26

### SECTION 2: Hazards identification

#### 2.1. Classification of the hazardous chemical

##### Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Skin sensitisation, Category 1 H317

#### 2.2. Label elements

Hazard pictograms (GHS AU) :



GHS07  
Exclamation mark

Signal word (GHS AU) :

Warning

Contains :

Benzene, 1,4-dimethyl-2-(1-phenylethyl)- (5 – 10 %)

Hazard statements (GHS AU) :

H317 - May cause an allergic skin reaction.

Precautionary statements (GHS AU) :

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P363 - Wash contaminated clothing before reuse.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
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 (GHS AU) : 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))

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

| Name                                     | CAS-No.      | %    |
|--|--------------|------|
| Non-hazardous ingredients                | Trade secret | 60.0 |
| Benzene, 1,2-dimethyl-4-(1-phenylethyl)- | 6196-95-8    | 15.0 |
| Benzene, 2,4-dimethyl-1-(1-phenylethyl)- | 6165-52-2    | 12.0 |
| Benzene, 1,4-dimethyl-2-(1-phenylethyl)- | 6165-51-1    | 7.0  |
| Benzene, ethyl(phenylethyl)-             | 64800-83-5   | 6.0  |

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### 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. Symptoms caused by exposure

- 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

- Other medical advice or treatment : 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.
- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Cool closed containers exposed to fire with water spray.
- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).
- Hazchem Code : \* 3Z

### 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.

#### 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.

### SECTION 7: Handling and storage, including how the chemical may be safely used

#### 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.

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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. Store locked up.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters - exposure standards

No additional information available

### 8.2. Monitoring

No additional information available

### 8.3. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.

### 8.4. Personal protective equipment

Hand protection : Wear suitable gloves resistant to chemical penetration.

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.

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

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 / 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 (572 °F)  
Flammability (solid, gas) : Not flammable  
Vapour pressure : 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  
Explosive properties : No data available  
Explosive limits : No data available  
Minimum ignition energy : No data available  
Fat solubility : No data available

## SECTION 10: Stability and reactivity

Reactivity : No dangerous reactions known under normal conditions of use.  
Chemical stability : Stable under normal conditions.  
Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use.  
Conditions to avoid : Heat. Incompatible materials.  
Incompatible materials : Strong oxidizing agents.  
Hazardous decomposition products : May include, and are not limited to: oxides of carbon.

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### SECTION 11: Toxicological information

|                                   |   |
|-----------------------------------|---|
| Acute toxicity (oral)             | : Not classified.   |
| Acute toxicity (dermal)           | : Not classified.   |
| Acute toxicity (inhalation)       | : Not classified.   |
| Unknown acute toxicity (GHS AU)   | : 33% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)<br>33% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)<br>33% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours)) |
| Skin corrosion/irritation         | : Not classified.   |
| Serious eye damage/irritation     | : Not classified.   |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction.  |
| Germ cell mutagenicity            | : Not classified.   |
| Carcinogenicity                   | : Not classified.   |
| Reproductive toxicity             | : Not classified.   |
| STOT-single exposure              | : Not classified.   |
| STOT-repeated exposure            | : Not classified.   |
| Aspiration hazard                 | : Not classified.   |
| Other information                 | : Likely routes of exposure: ingestion, inhalation, skin and eye  |

### SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

#### 12.1. Ecotoxicity

|   |   |
|---|---|
| Ecology - general   | : May cause long-term adverse effects in the aquatic environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified.   |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified.   |
| Other information   | : No other effects known.   |

#### 12.2. Persistence and degradability

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

#### 12.3. Bioaccumulative potential

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|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

|                       |                                       |
|-----------------------|---------------------------------------|
| Ozone                 | : Not classified.                     |
| Other adverse effects | : No additional information available |

| IMMOIL-8CC_IMMOIL-500CC                              |       |
|--|-------|
| Fluorinated greenhouse gases                         | False |
| Benzene, 1,2-dimethyl-4-(1-phenylethyl)- (6196-95-8) |       |
| Fluorinated greenhouse gases                         | False |
| Benzene, 1,4-dimethyl-2-(1-phenylethyl)- (6165-51-1) |       |
| Fluorinated greenhouse gases                         | False |
| Benzene, 2,4-dimethyl-1-(1-phenylethyl)- (6165-52-2) |       |
| Fluorinated greenhouse gases                         | False |
| Benzene, ethyl(phenylethyl)- (64800-83-5)            |       |
| Fluorinated greenhouse gases                         | False |
| Non-hazardous ingredients                            |       |
| Fluorinated greenhouse gases                         | False |

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### SECTION 13: Disposal considerations

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.

### SECTION 14: Transport information

#### 14.1. UN number

UN-No. (ADG) : 3082  
UN-No. (IMDG) : 3082  
UN-No. (IATA) : 3082

#### 14.2. Proper Shipping Name - Addition

Proper Shipping Name (ADG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzene, 1,2-dimethyl-4-(1-phenylethyl)- ; Benzene, 1,4-dimethyl-2-(1-phenylethyl)-)  
Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzene, 1,2-dimethyl-4-(1-phenylethyl)- ; Benzene, 1,4-dimethyl-2-(1-phenylethyl)-)  
Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s. (Benzene, 1,2-dimethyl-4-(1-phenylethyl)- ; Benzene, 1,4-dimethyl-2-(1-phenylethyl)-)

#### 14.3. Transport hazard class(es)

##### ADG

Transport hazard class(es) (ADG) : 9  
Danger labels (ADG) : 9



##### 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 (ADG) : III

#### 14.5. Environmental hazards

Marine pollutant : Yes

#### 14.6. Special precautions for user

Specific storage requirement : No data available  
Shock sensitivity : No data available

#### 14.7. Additional information

Other information : No supplementary information available.  
Special transport precautions : Do not handle until all safety precautions have been read and understood.

#### 14.8. Hazchem or Emergency Action Code

Hazchem Code : \* 3Z

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### SECTION 15: Regulatory information

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

No additional information available

#### 15.2. International agreements

No additional information available

### SECTION 16: Any other relevant information

Revision date : 23/10/2020

Expiry date : 23/10/2025

Other information : None.

Classification:

|              |      |
|--------------|------|
| Skin Sens. 1 | H317 |
|--------------|------|

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