

# IMMOIL-F30CC#2

## Safety Data Sheet

According to ICOP 2014

Issue date: 23/6/2021

Revision date: 23/6/2021

Version: 1.0

### SECTION 1: Identification of the hazardous chemical and of the supplier

#### 1.1. Product identifier

Product form : Mixture  
Product name : IMMOIL-F30CC#2

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

##### Distributor

MATRIX OPTICS (M) SDN BHD  
No 6, Jalan SS25/22 Taman Mayang 47301 Petaling Jaya Selangor  
Darul Ehsan  
Malaysia  
T 603-7803-7933

#### 1.5. Emergency phone number

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

### SECTION 2: Hazards identification

#### 2.1. Classification of the hazardous chemical

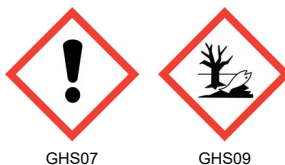
##### Classification according to Industry Code of Practice on chemicals classification and hazard communication (2014)

Skin Sens. 1 H317  
Aquatic Chronic 2 H411

#### 2.2. Label elements

##### Labelling according to Industry Code of Practice on chemicals classification and hazard communication (2014)

Hazard pictograms (GHS MY) :



Signal word (GHS MY) :

Warning

Hazard statements (GHS MY) :

H317 - May cause an allergic skin reaction  
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS MY) :

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.  
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 (GHS MY) :

94% of the mixture consists of ingredient(s) of unknown acute toxicity.

Unknown hazards to the aquatic environment (GHS MY) :

Contains 91 % of components with unknown hazards to the aquatic environment.

#### 2.3. Other hazards not contributing to the classification

No additional information available

### SECTION 3: Composition and information of the ingredients of the hazardous chemical

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%
Polyisobutylene	(CAS-No.) 9003-27-4	30 – 60
Benzene, 1,2-dimethyl-4-(1-phenylethyl)-	(CAS-No.) 6196-95-8	13.0

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Name	Product identifier	%
Triisopropylbenzene	(CAS-No.) 717-74-8	10 – <30
Benzene, 2,4-dimethyl-1-(1-phenylethyl)-	(CAS-No.) 6165-52-2	11.0
1,3-Butadiene, 2-methyl-, homopolymer	(CAS-No.) 9003-31-0	5 - <10
Benzene, 1,4-dimethyl-2-(1-phenylethyl)-	(CAS-No.) 6165-51-1	6.0
Benzene, ethyl(phenylethyl)-	(CAS-No.) 64800-83-5	5.0

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

### 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

- 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 : Carbon dioxide (CO<sub>2</sub>), dry chemical powder, foam.
- Unsuitable extinguishing media : Do not use water jet.

#### 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.
- Reactivity : No dangerous reactions known under normal conditions of use.

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

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

### 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

- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

##### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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

- For containment : Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). Collect spillage.
- Methods for cleaning up : Take up liquid spill into absorbent material. Sweep or shovel spills into appropriate container for disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- 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.
- Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace.

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

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

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### Exposure limit values for the other components

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.

### 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.

## SECTION 9: Physical and chemical properties

- Physical state : Liquid
- Appearance : Colourless liquid.
- Colour : Colourless
- Odour : No data available
- Odour threshold : No data available
- pH : No data available
- Melting point, Freezing point : No data available
- Boiling point : < 200 °C
- Flash point : 134 °C (Cleveland Open Cup)
- Auto-ignition temperature : No data available
- Flammability (solid, gas) : Not flammable
- Vapour density at 20°C : ≤ 1
- Vapour pressure : No data available
- Evaporation rate : No data available
- Explosive limits : No data available

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Explosive properties	: No data available
Minimum ignition energy	: No data available
Solubility	: Insoluble in water
Relative density	: 0.9169 (15°C)
Viscosity	: No data available

### SECTION 10: Stability and reactivity

Chemical stability	: Stable under normal conditions.
Conditions to avoid	: Heat.
Hazardous decomposition products	: May include, and are not limited to: oxides of carbon.
Incompatible materials	: None known.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Reactivity	: No dangerous reactions known under normal conditions of use.

### 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.

Unknown acute toxicity (GHS MY)	94% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 94% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 94% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))
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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

#### 12.1. Toxicity

Ecology - general	: Toxic to aquatic life with long lasting effects.
Unknown hazards to the aquatic environment (GHS MY)	: Contains 91 % 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.
Other information	: No other effects known.

#### 12.2. Persistence and degradability

<b>IMMOIL-F30CC#2</b>	
Persistence and degradability	Not established.

#### 12.3. Bioaccumulative potential

<b>IMMOIL-F30CC#2</b>	
Bioaccumulative potential	Not established.

#### 12.4. Mobility in soil

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Mobility in soil	No additional information available

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### 12.5. Other adverse effects

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

## SECTION 13: Disposal information

### 13.1. Disposal 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.

## SECTION 14: Transportation information

### 14.1. UN number

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

### 14.2. Proper Shipping Name

Proper Shipping Name (UN RTDG) : 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)

#### UN RTDG

Transport hazard class(es) (UN RTDG) : 9  
Danger labels (UN RTDG) : 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 (UN RTDG) : III  
Packing group (IMDG) : III  
Packing group (IATA) : III

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### 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.

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### 14.8. Hazchem or Emergency Action Code

Not applicable

## SECTION 15: Regulatory information

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

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Version : 1.0  
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Expiry date : 16/10/2025

Data sources : In accordance with Industry Code of Practice on Chemicals Classification and Hazard Communication 2014; GHS - Globally Harmonized System of Classification and Labelling of Chemicals; ECHA - European Chemicals Agency; RTDG - Recommendations on the Transport of Dangerous Goods; IMDG - International Maritime Dangerous Goods; IATA - International Air Transport Association; ACGIH - American Conference of Government Industrial Hygienists; IARC - International Agency for Research on Cancer.

°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  
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

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: 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  
RTDG - Recommendations on the Transport of Dangerous Goods  
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

Other information : None.

Full text of H-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.
H411	Toxic to aquatic life with long lasting effects.

*Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.*