

IMMOIL-8CC_IMMOIL-500CC

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Issue date: 06/23/2021

Revision date: 06/23/2021

Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : IMMOIL-8CC_IMMOIL-500CC

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Microscopes-Immersion Liquids for Light Microscopy

1.3. Supplier

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 Scientific Solutions Americas
48 Woerd Avenue
Waltham, MA 02453-3824, U.S.A.
T 1-781-419-3900

1.4. Emergency telephone number

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

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin Sens. 1
STOT SE 2
STOT RE 2

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Warning

Hazard statements (GHS US) :

May cause an allergic skin reaction
May cause damage to organs
May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US) :

Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands, forearms and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If exposed or concerned: Call a poison center or doctor.
If on skin: Wash with plenty of water.
Wash contaminated clothing before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

06/23/2021
AX8707_02

EN (English US)

Page 1

IMMOIL-8CC_IMMOIL-500CC

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

3.2. Mixtures

Name	Product identifier	%
Benzene, 1,2-dimethyl-4-(1-phenylethyl)-	(CAS-No.) 6196-95-8	15.0
Benzene, 2,4-dimethyl-1-(1-phenylethyl)-	(CAS-No.) 6165-52-2	12.0
Benzene, 1,4-dimethyl-2-(1-phenylethyl)-	(CAS-No.) 6165-51-1	7.0
Benzene, ethyl(phenylethyl)-	(CAS-No.) 64800-83-5	6.0

*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 (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.
Chronic symptoms	: May cause damage to organs. May cause damage to organs through prolonged or repeated exposure.

4.3. Immediate medical attention and special treatment, if necessary

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

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

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

5.2. Specific hazards arising from the chemical

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

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).

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.

IMMOIL-8CC_IMMOIL-500CC

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

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. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Do not breathe dust, fume, gas, mist, spray, vapors.
- 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

IMMOIL-8CC_IMOIL_500CC
No additional information available
Benzene, 1,2-dimethyl-4-(1-phenylethyl)- (6196-95-8)
No additional information available
Benzene, 1,4-dimethyl-2-(1-phenylethyl)- (6165-51-1)
No additional information available
Benzene, 2,4-dimethyl-1-(1-phenylethyl)- (6165-52-2)
No additional information available
Benzene, ethyl(phenylethyl)- (64800-83-5)
No additional information available

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.
- Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/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.

Other information:

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

IMMOIL-8CC_IMMOIL-500CC

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear liquid
Color	: Colorless
Odor	: No data available
Odor threshold	: No data available
pH	: 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
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not flammable.
Vapor pressure	: No data available
Relative vapor density at 20 °C (68 °F)	: 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
Auto-ignition temperature	: < 300 (572 °F)
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: 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

Benzene, 1,4-dimethyl-2-(1-phenylethyl)- (6165-51-1)

ATE US (oral)	500 mg/kg body weight
---------------	-----------------------

IMMOIL-8CC_IMMOIL-500CC

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Benzene, 1,4-dimethyl-2-(1-phenylethyl)- (6165-51-1)	
ATE US (dermal)	1100 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause damage to organs.

Benzene, 1,4-dimethyl-2-(1-phenylethyl)- (6165-51-1)	
STOT-single exposure	May cause damage to organs.

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Benzene, 1,4-dimethyl-2-(1-phenylethyl)- (6165-51-1)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
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.
Chronic symptoms	: May cause damage to organs. May cause damage to organs through prolonged or repeated exposure.
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.

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. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

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. Recycle empty containers where allowed.

IMMOIL-8CC_IMMOIL-500CC

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transport by UN RTDG

Transport document description (UN RTDG) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
UN-No. (UN RTDG) : 3082
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)-)
Class (UN RTDG) : 9 - Miscellaneous dangerous substances and articles
Packing group (UN RTDG) : III - substances presenting low danger
Limited quantities (UN RTDG) : 5 L
Hazard labels (UN RTDG) :



Transport by sea

Transport document description (IMDG) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
UN-No. (IMDG) : 3082
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)-)
Class (IMDG) : 9 - Miscellaneous dangerous substances and articles
Packing group (IMDG) : III - substances presenting low danger
Limited quantities (IMDG) : 5 L
Hazard labels (IMDG) :



Air transport

Transport document description (IATA) : UN 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III
UN-No. (IATA) : 3082
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)-)
Class (IATA) : 9 - Miscellaneous Dangerous Goods
Packing group (IATA) : III - Minor Danger
Hazard labels (IATA) :



SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

IMMOIL-8CC_IMMOIL-500CC

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

SECTION 16: Other information

Issue date	:	10/23/2020
Revision date	:	10/23/2020
Other information	:	None.

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.