

Safety Data Sheet (SDS)

The content and format of this SDS is accordant with GHS standard.

1. Identification of the substance/preparation and of the company/undertaking

Product details:

Product name: IMMOIL-8CC IMMOIL-500CC

Recommended use of the chemical and restrictions on use:

Microscopes-Immersion Liquids for Light Microscopy. Restrictions on use: Do NOT use it in an application which may contaminate food or do harm to human health.

Manufacturer/Supplier: OLYMPUS CORPORATION

Address: Shinjuku Monolith, 3-1 Nishi-Shinjuku 2-chome, Shinjuku-ku, Tokyo 163-0914, Japan

Tel.: +81-120-58-0414/+81-3-3340-2111

Fax: +81-3-6901-4251

Email:

Further information obtainable from: OLYMPUS CORPORATION

Information in case of emergency: +44-1865-407333 (Carechem 24 English)

2. Hazards identification

GHS classification:

Physical hazards	Not classified.
Health hazards	Sensitisation, skin - Category 1
Environmental hazards	Hazardous to the aquatic environment, long-term hazard - Category 2

Signal Word: Warning.

Symbol :



Hazard Statements:

H317: May cause an allergic skin reaction.

H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements:

P261: Avoid breathing gas/mist/vapours/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P280: Wear protective gloves.

Response Precautionary Statements:

P302 + P352: IF ON SKIN: Wash with plenty of water.

P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.

P321: Specific treatment (Please see the specific measures for accident that included in the label, or go to hospital for treatment.)

P362 + P364: Take off contaminated clothing and wash it before reuse.

P391: Collect spillage.

Storage precautionary statements:

No special requirements.

Disposal precautionary statements:

P501: Dispose of contents/container according to relevant local and national regulations.

3. Composition/information on ingredients

Product description: substance (); preparation/mixture (√)

Ingredient (s)	CAS No.	EC No.	% by weight
Other ingredients (non-hazardous) Trade secret and proprietary	--	--	60.0
1-Pheny-1-(3,4-dimethylphenyl) ethane	6196-95-8	228-249-2	15.0
1-Phenyl-1-(2,4-xylyl) ethane	6165-52-2	228-202-6	12.0
1,4-Dimethyl-2-(1-phenylethyl) benzene	6165-51-1	228-201-0	7.0
Ethyl (phenylethyl) benzene	64800-83-5	265-241-8	6.0

4. First aid measures

Persons using this product should consult a physician or other medical professional if an accident involving this product results in injury. Specific first-aid measures are as follows:

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Eyes Contact: 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.

Ingestion: Rinse mouth. Do not induce vomiting without doctor's instruction. Call a POISON CENTER/doctor, if you feel unwell.

Acute effect and delayed effect: Acute effect: May cause an allergic skin reaction. Delayed effect: Not found.

Personal protective equipment: Wear protective gloves/protective clothing/eye protection/face protection when necessary.

Indication of immediate medical attention and treatment needed, if necessary: Treat according to symptoms and exposure dose.

5. Fire-fighting measures

Extinguishing Media: Foam. Dry chemical. Carbon dioxide, Dry sand. water spray.

Unsuitable Extinguishing Media: Do not use straight water streams. Discharging cylinder shape water from fire hose may lead to spread fire to the surroundings.

Special hazards arising from the chemical: No further relevant information available.

Fire Fighting Method:

Shut off air supply.
Extinguish fire from upwind and cool down containers by water spray.
Remove containers from fire area if it can be done without risk.
Deny unnecessary entry to the place around the fire.
Special actions for fire-fighters: Firefighters must wear self-contained breathing apparatus and full protective equipment.
Check whether the protective equipment is in good condition before use.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use proper personal protective equipment as indicated in Section 8.

Environmental precautions: Keep cleaning run-offs out of municipal sewers and open bodies of water. Comply with local and national laws and regulations.

Methods and material for containment and cleaning up:

Small Spill:

Mop up or absorb with an inert dry material (e.g. sand, dry lime) and place in an appropriately labeled waste disposal container.

Large Spill:

Isolate contaminated area and set up a warning board. The persons handling emergency are recommended wearing protective clothing. Do NOT touch spilled material. Build up dike or dig pit for collection. Containers should be clearly marked for recycling or disposed as waste. Stop the leakage if it can be done without risk.

7. Handling and storage

Precautions for safe handling:

Avoid breathing gas/mist/vapours/spray.

Contaminated work clothing should not be allowed out of the workplace.

Avoid release to the environment.

Wear protective gloves.

Conditions for safe storage, including any incompatibilities:

Store in a cool, well-ventilated and dry place. Keep out of direct sunlight.

Incompatible substances or mixtures: No information available.

Packing material: Plastic bag or plastic bottle.

8. Exposure controls/personal protection

Occupational Exposure Limits:

Ingredients	Philippines Workplace exposure limits -TWA	ACGIH TLV-TWA
Not applicable	Not applicable	Not applicable

Engineering Controls:

Use this product only in closed systems fully or with local exhaust ventilation.

Install washer eyes and safety showers near to the handling and storage area.

Shows the location of these facilities, with a clear and prominent warning board.

Personal Protective Equipment (For workers):

Protection of Hands:

Wear impermeable rubber gloves. (e.g. Rubber gloves)



Protection of Eyes:

Wear safety glasses when vapour or fume may be generated during processing or working for a long time.



Respiratory Protection: Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms occur.



Protection of Body:

Recommend wearing general working clothing.



.General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with eyes and skin.

9. Physical and chemical properties

General Information	
Form	Liquid
Colour	Colorless
Odour	No data available
pH Value	No data available
Boiling range	<200°C
Melting point/Melting range	No data available
Flash Point	154°C (Cleveland Open Formula)
Flammable/Explosive Limits-Lower Vol %	No data available
Flammable/Explosive Limits-Upper Vol %	No data available

Relative Density	0.918 (15°C)
Relative Vapor density	No data available
Vapor pressure	No data available
Solubility	No data available
n-octanol/Water partition coefficient	No data available
Autoignition Temperature	<300°C
Decomposition temperature	No data available
Odour threshold value	No data available
Viscosity	No data available
Evaporation rate	No data available
Flammability (solid, gas, etc.)	This product is not classified as flammable liquid.

10. Stability and reactivity

Reactivity and Chemical stability: Stable under normal storage conditions.

Possibility of hazardous reactions: No information available.

Conditions to Avoid: High temperature.

Incompatible materials: No information available.

Hazardous decomposition products: No information available.

11. Toxicological information

Product Toxicity Data:

Acute toxicity (Oral)	Not classified.
Acute toxicity (Dermal)	Not classified.
Acute toxicity (inhalation)	Not classified.
Unknown acute toxicity	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/eye irritation

Not classified.

Additional information

Based on available data, the classification criteria are not met.

Sensitisation, skin

May cause an allergic skin reaction.

Sensitisation, respiratory

Not classified.

Additional information

Based on available data, the classification criteria are not met.

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.

Specific target organ toxicity, single Exposure	Not classified.
Additional information	Based on available data, the classification criteria are not met.
Specific target organ toxicity, 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.

12. Ecological information

Ecotoxicity:

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

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No information available.

13. Disposal considerations

Waste treatment methods:

It is recommended to use incineration method to dispose of waste.
Any disposal practice must be in compliance with country, local, state, and federal laws and regulations.
After contents are completely removed, dispose of its container at hazardous or special waste collection point.
Paste a label on the container indicating the possible hazards of the waste.

14. Transport Information

DOT/Air-Transportation- IATA/ICAO/Sea-Transportation-IMO/IMDG:

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Hazard Class: 9

UN Code: 3082

Packing Group: III

Packing Group Symbol:



Marine Pollutant (Yes/No): Yes

EMS NO.: F-A S-F

Note:

Check whether the package is completed or sealed before transporting; make sure no damage of packages and prevent goods from falling down during transporting; the transport vehicle should be equipped with facilities for fire-fighting and accidental release handling; do NOT transport this product together with incompatible substances; stay away from fire and areas of high temperature during stopovers.

15. Regulatory information

The Philippines:

.Philippine Priority Chemicals List (PCL): Not applicable.

.Philippine Inventory of Chemicals and Chemical Substances (PICCS):

Ingredient (s)	CAS No.	PICCS
1-Pheny-1-(3,4-dimethylphenyl) ethane	6196-95-8	Listed
1-Phenyl-1-(2,4-xylyl) ethane	6165-52-2	Listed
1,4-Dimethyl-2-(1-phenylethyl) benzene	6165-51-1	Listed
Ethyl (phenylethyl) benzene	64800-83-5	Listed

.List of Chemical Control Order (CCO): Not applicable.

.List of Ozone Depleting Substances (ODS): Not applicable.

United States:

.Section 355 (extremely hazardous substances): Not listed.

.SARA 313: Not listed.

.TSCA (Toxic Substance Control Act):

Ingredient (s)	CAS No.	TSCA Inventory
1-Pheny-1-(3,4-dimethylphenyl) ethane	6196-95-8	Listed
1-Phenyl-1-(2,4-xylyl) ethane	6165-52-2	Listed
1,4-Dimethyl-2-(1-phenylethyl) benzene	6165-51-1	Listed
Ethyl (phenylethyl) benzene	64800-83-5	Listed

.Clean Water Act:

Chemical Name	Reportable Quantities	Hazardous Substances	Priority Pollutants	Toxic Pollutants
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

.Carcinogenicity categories: Not listed by EPA, NTP, ACGIH and IARC.

EU:

.(EC) 1272/2008 Annex VI Table 3.1:

Ingredient(s)	EC No. 1272/2008 Classification	
	CLASS. CODE	HAZARD CODE
Not applicable	Not applicable	Not applicable

.Candidate List of Substances of very high concern (SVHC) according to ECHA: Not listed.

.REACH Regulation Annex XVII Regulation List: Not listed.

.REACH Regulation Annex XIV Authorization List: Not listed.

.Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

16. Other information

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References:

The fourth revision of GHS

DENR Administrative Order No. 2015-09 GHS Guidance Manual

Full description of some acronyms:

GHS-Globally Harmonized System of Classification and Labelling of Chemicals

CAS-Chemical Abstracts Service

EINECS-European Inventory of Existing Commercial Chemical Substances

IMO-International Maritime Organization

IMDG-International Maritime Dangerous Goods

IATA-International Air Transport Association

ICAO-International Civil Aviation Organization

TSCA-Toxic Substances Control Act

OSHA-Occupational Safety and Health Administration

ACGIH-American Conference of Governmental Industrial Hygienists

The issuing date of the latest version: May 12, 2021.

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*****The End*****