

# SAFETY DATA SHEET

## IMMOIL-8CC\_IMMOIL-500CC

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### Section 1: Identification

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

#### Manufacturer or supplier's details

Company : Evident Australia Pty Ltd

Address : Level 3, Building 10, 666 Great South Road, Ellerslie,  
Auckland, New Zealand 1051

Telephone : +64-0800-888-718

Emergency telephone number : 0800-764-766 (National Poisons Centre)

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

Recommended use : Industrial use

Restrictions on use : Not applicable

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### Section 2: Hazard identification

#### GHS Classification

Skin sensitisation : Sub-category 1A

Specific target organ toxicity - repeated exposure : Category 2 (Adrenal gland)

Aspiration hazard : Category 1

Hazardous to the aquatic environment - acute hazard : Category 1

Hazardous to the aquatic environment - chronic hazard : Category 1

#### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H304 May be fatal if swallowed and enters airways.

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H317 May cause an allergic skin reaction.  
 H373 May cause damage to organs (Adrenal gland) through prolonged or repeated exposure.  
 H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements :

**Prevention:**

P260 Do not breathe mist or vapours.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves.

**Response:**

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 P302 + P352 IF ON SKIN: Wash with plenty of water.  
 P314 Get medical advice/ attention if you feel unwell.  
 P331 Do NOT induce vomiting.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P391 Collect spillage.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards which do not result in classification**

None known.

**Section 3: Composition/information on ingredients**

Substance / Mixture : Mixture

**Components**

| Chemical name              | CAS-No.    | Concentration (% w/w) |
|----------------------------|------------|-----------------------|
| 4-(1-Phenylethyl)-o-xylene | 6196-95-8  | >= 10 -< 20           |
| 4-(1-Phenylethyl)-m-xylene | 6165-52-2  | >= 10 -< 20           |
| 2-(1-Phenylethyl)-p-xylene | 6165-51-1  | >= 2.5 -< 10          |
| Ethyl(phenylethyl)benzene  | 64800-83-5 | >= 2.5 -< 10          |

**Section 4: First-aid measures**

General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
 When symptoms persist or in all cases of doubt seek medical

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|   |  |
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| If inhaled  | : advice.<br>If inhaled, remove to fresh air.<br>Get medical attention if symptoms occur.  |
| In case of skin contact                                     | : In case of contact, immediately flush skin with plenty of water.<br>Remove contaminated clothing and shoes.<br>Get medical attention.<br>Wash clothing before reuse.<br>Thoroughly clean shoes before reuse. |
| In case of eye contact                                      | : Flush eyes with water as a precaution.<br>Get medical attention if irritation develops and persists.   |
| If swallowed  | : If swallowed, DO NOT induce vomiting.<br>If vomiting occurs have person lean forward.<br>Call a physician or poison control centre immediately.<br>Never give anything by mouth to an unconscious person.    |
| Most important symptoms and effects, both acute and delayed | : May be fatal if swallowed and enters airways.<br>May cause an allergic skin reaction.<br>May cause damage to organs through prolonged or repeated exposure.  |
| Protection of first-aiders                                  | : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).                                  |
| Notes to physician  | : Treat symptomatically and supportively.  |

**Section 5: Fire-fighting measures**

|                                       |   |
|---------------------------------------|---|
| Suitable extinguishing media          | : Water spray<br>Alcohol-resistant foam<br>Carbon dioxide (CO <sub>2</sub> )<br>Dry chemical  |
| Unsuitable extinguishing media        | : None known.   |
| Specific hazards during fire-fighting | : Exposure to combustion products may be a hazard to health.  |
| Hazardous combustion products         | : Carbon oxides   |
| Specific extinguishing methods        | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br>Use water spray to cool unopened containers.<br>Remove undamaged containers from fire area if it is safe to do |

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so.  
Evacuate area.

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.  
for firefighters Use personal protective equipment.

Hazchem Code : 3Z

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**Section 6: Accidental release measures**

Personal precautions, protec- : Use personal protective equipment.  
tive equipment and emer- Follow safe handling advice (see section 7) and personal pro-  
gency procedures tective equipment recommendations (see section 8).

Environmental precautions : Avoid release to the environment.  
Prevent further leakage or spillage if safe to do so.  
Prevent spreading over a wide area (e.g. by containment or oil  
barriers).  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages  
cannot be contained.

Methods and materials for : Soak up with inert absorbent material.  
containment and cleaning up For large spills, provide dyking or other appropriate contain-  
ment to keep material from spreading. If dyked material can  
be pumped, store recovered material in appropriate container.  
Clean up remaining materials from spill with suitable absor-  
bent.  
Local or national regulations may apply to releases and dis-  
posal of this material, as well as those materials and items  
employed in the cleanup of releases. You will need to deter-  
mine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding  
certain local or national requirements.

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**Section 7: Handling and storage**

Technical measures : See Engineering measures under EXPOSURE  
CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation : Use only with adequate ventilation.

Advice on safe handling : Do not get on skin or clothing.  
Do not breathe mist or vapours.  
Do not swallow.  
Avoid contact with eyes.  
Handle in accordance with good industrial hygiene and safety

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|                             |   |
|-----------------------------|---|
|                             | <p>practice, based on the results of the workplace exposure assessment</p> <p>Keep container tightly closed.</p> <p>Take care to prevent spills, waste and minimize release to the environment.</p>   |
| Hygiene measures            | <p>: If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place.</p> <p>When using do not eat, drink or smoke.</p> <p>Contaminated work clothing should not be allowed out of the workplace.</p> <p>Wash contaminated clothing before re-use.</p> |
| Conditions for safe storage | <p>: Keep in properly labelled containers.</p> <p>Store locked up.</p> <p>Keep tightly closed.</p> <p>Store in accordance with the particular national regulations.</p>   |
| Materials to avoid          | <p>: Do not store with the following product types:</p> <p>Strong oxidizing agents</p>  |

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**Section 8: Exposure controls/personal protection****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Engineering measures** : Ensure adequate ventilation, especially in confined areas.  
Minimize workplace exposure concentrations.

**Personal protective equipment**

Respiratory protection : If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.

Filter type : Organic vapour type

**Hand protection**

Material : Chemical-resistant gloves

Remarks : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

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|                          |   |   |
|--------------------------|---|---|
| Eye protection           | : | Wear the following personal protective equipment:<br>Safety glasses   |
| Skin and body protection | : | Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.<br>Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc). |

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**Section 9: Physical and chemical properties**

|  |   |                                      |
|--|---|--------------------------------------|
| Appearance                                       | : | liquid                               |
| Colour   | : | colourless                           |
| Odour  | : | No data available                    |
| Odour Threshold                                  | : | No data available                    |
| pH   | : | No data available                    |
| Melting point/freezing point                     | : | No data available                    |
| Initial boiling point and boiling range          | : | < 200 °C                             |
| Flash point                                      | : | 154 °C<br>Method: Cleveland open cup |
| Evaporation rate                                 | : | No data available                    |
| Flammability (solid, gas)                        | : | Not applicable                       |
| Flammability (liquids)                           | : | Ignitable (see flash point)          |
| Upper explosion limit / Upper flammability limit | : | No data available                    |
| Lower explosion limit / Lower flammability limit | : | No data available                    |
| Vapour pressure                                  | : | No data available                    |
| Relative vapour density                          | : | No data available                    |
| Relative density                                 | : | 0.918 (15 °C)                        |

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|  |   |  |
|--|---|--|
| Density                                | : | No data available  |
| Solubility(ies)                        |   |  |
| Water solubility                       | : | No data available  |
| Partition coefficient: n-octanol/water | : | Not applicable   |
| Auto-ignition temperature              | : | < 300 °C   |
| Decomposition temperature              | : | No data available  |
| Viscosity                              |   |  |
| Viscosity, kinematic                   | : | No data available  |
| Explosive properties                   | : | Not explosive  |
| Oxidizing properties                   | : | The substance or mixture is not classified as oxidizing. |
| Particle characteristics               |   |  |
| Particle size                          | : | Not applicable   |

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**Section 10: Stability and reactivity**

|                                    |   |  |
|------------------------------------|---|--|
| Reactivity                         | : | Not classified as a reactivity hazard.         |
| Chemical stability                 | : | Stable under normal conditions.                |
| Possibility of hazardous reactions | : | Can react with strong oxidizing agents.        |
| Conditions to avoid                | : | None known.                                    |
| Incompatible materials             | : | Oxidizing agents                               |
| Hazardous decomposition products   | : | No hazardous decomposition products are known. |

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**Section 11: Toxicological information**

|                 |   |  |
|-----------------|---|--|
| Exposure routes | : | Inhalation<br>Skin contact<br>Ingestion<br>Eye contact |
|-----------------|---|--|

**Acute toxicity**

Not classified based on available information.

**SAFETY DATA SHEET****IMMOIL-8CC\_IMMOIL-500CC****Components:****4-(1-Phenylethyl)-o-xylene:**

Acute oral toxicity : LD50 (Rat): > 2,000 - 5,000 mg/kg  
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Remarks: Based on data from similar materials

**4-(1-Phenylethyl)-m-xylene:**

Acute oral toxicity : LD50 (Rat): > 2,000 - 5,000 mg/kg  
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Remarks: Based on data from similar materials

**2-(1-Phenylethyl)-p-xylene:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 401

**Ethyl(phenylethyl)benzene:**

Acute oral toxicity : LD50 (Rat): > 1,000 mg/kg  
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Remarks: Based on data from similar materials

**Skin corrosion/irritation**

Not classified based on available information.

**Components:****Ethyl(phenylethyl)benzene:**

Species : Rabbit  
Result : Skin irritation  
Remarks : Based on data from similar materials

**Serious eye damage/eye irritation**

Not classified based on available information.

**Components:****4-(1-Phenylethyl)-o-xylene:**

Species : Rabbit  
Result : No eye irritation  
Remarks : Based on data from similar materials



**SAFETY DATA SHEET****IMMOIL-8CC\_IMMOIL-500CC****4-(1-Phenylethyl)-m-xylene:**

Species : Rabbit  
Result : No eye irritation  
Remarks : Based on data from similar materials

**Ethyl(phenylethyl)benzene:**

Species : Rabbit  
Result : No eye irritation  
Remarks : Based on data from similar materials

**Respiratory or skin sensitisation****Skin sensitisation**

May cause an allergic skin reaction.

**Respiratory sensitisation**

Not classified based on available information.

**Product:**

Species : Guinea pig  
Method : Buehler Test  
Result : negative  
  
: Guinea pig  
: Maximisation Test  
: The product is a skin sensitiser, sub-category 1A.

**Components:****4-(1-Phenylethyl)-o-xylene:**

Test Type : Buehler Test  
Exposure routes : Skin contact  
Species : Guinea pig  
Result : negative  
Remarks : Based on data from similar materials

**4-(1-Phenylethyl)-m-xylene:**

Test Type : Buehler Test  
Exposure routes : Skin contact  
Species : Guinea pig  
Result : negative  
Remarks : Based on data from similar materials

**Ethyl(phenylethyl)benzene:**

Test Type : Local lymph node assay (LLNA)  
Exposure routes : Skin contact  
Species : Mouse  
Method : OECD Test Guideline 429

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Result : negative  
Remarks : Based on data from similar materials

**Chronic toxicity****Germ cell mutagenicity**

Not classified based on available information.

**Components:****4-(1-Phenylethyl)-o-xylene:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Method: OECD Test Guideline 471  
Result: negative  
Remarks: Based on data from similar materials

Test Type: Chromosome aberration test in vitro  
Method: OECD Test Guideline 473  
Result: negative  
Remarks: Based on data from similar materials

**4-(1-Phenylethyl)-m-xylene:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Method: OECD Test Guideline 471  
Result: negative  
Remarks: Based on data from similar materials

Test Type: Chromosome aberration test in vitro  
Method: OECD Test Guideline 473  
Result: negative  
Remarks: Based on data from similar materials

**2-(1-Phenylethyl)-p-xylene:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Method: OECD Test Guideline 471  
Result: negative

Test Type: Chromosome aberration test in vitro  
Method: OECD Test Guideline 473  
Result: negative

**Ethyl(phenylethyl)benzene:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative  
Remarks: Based on data from similar materials

Test Type: In vitro mammalian cell gene mutation test  
Result: negative  
Remarks: Based on data from similar materials

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Test Type: Chromosome aberration test in vitro  
Result: negative  
Remarks: Based on data from similar materials

**Carcinogenicity**

Not classified based on available information.

**Components:****4-(1-Phenylethyl)-o-xylene:**

Species : Rat  
Application Route : Ingestion  
Exposure time : 24 Months  
Result : negative  
Remarks : Based on data from similar materials

**4-(1-Phenylethyl)-m-xylene:**

Species : Rat  
Application Route : Ingestion  
Exposure time : 24 Months  
Result : negative  
Remarks : Based on data from similar materials

**Reproductive toxicity**

Not classified based on available information.

**Components:****4-(1-Phenylethyl)-o-xylene:**

Effects on fertility : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test  
Species: Rat  
Application Route: Ingestion  
Method: OECD Test Guideline 422  
Result: negative  
Remarks: Based on data from similar materials

Effects on foetal development : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test  
Species: Rat  
Application Route: Ingestion  
Method: OECD Test Guideline 422  
Result: negative  
Remarks: Based on data from similar materials

**4-(1-Phenylethyl)-m-xylene:**

Effects on fertility : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test  
Species: Rat  
Application Route: Ingestion

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Method: OECD Test Guideline 422

Result: negative

Remarks: Based on data from similar materials

Effects on foetal development

: Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test

Species: Rat

Application Route: Ingestion

Method: OECD Test Guideline 422

Result: negative

Remarks: Based on data from similar materials

**2-(1-Phenylethyl)-p-xylene:**

Effects on fertility

: Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test

Species: Rat

Application Route: Ingestion

Method: OECD Test Guideline 422

Result: negative

Effects on foetal development

: Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test

Species: Rat

Application Route: Ingestion

Method: OECD Test Guideline 422

Result: negative

**Ethyl(phenylethyl)benzene:**

Effects on fertility

: Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test

Species: Rat

Application Route: Ingestion

Method: OECD Test Guideline 422

Result: negative

Remarks: Based on data from similar materials

Effects on foetal development

: Test Type: Embryo-foetal development

Species: Rat

Application Route: Ingestion

Method: OECD Test Guideline 414

Result: negative

Remarks: Based on data from similar materials

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

May cause damage to organs (Adrenal gland) through prolonged or repeated exposure.

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### Components:

#### **2-(1-Phenylethyl)-p-xylene:**

Exposure routes : Ingestion  
Target Organs : Adrenal gland  
Assessment : Shown to produce significant health effects in animals at concentrations of >10 to 100 mg/kg bw.

### **Repeated dose toxicity**

### Components:

#### **2-(1-Phenylethyl)-p-xylene:**

Species : Rat, male  
LOAEL : 12.5 mg/kg  
Application Route : Ingestion  
Exposure time : 47 Days  
Method : OECD Test Guideline 422

### **Aspiration toxicity**

May be fatal if swallowed and enters airways.

### Components:

#### **4-(1-Phenylethyl)-o-xylene:**

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

#### **4-(1-Phenylethyl)-m-xylene:**

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

#### **2-(1-Phenylethyl)-p-xylene:**

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

#### **Ethyl(phenylethyl)benzene:**

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

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## Section 12: Ecological information

### **Ecotoxicity**

### Components:

#### **4-(1-Phenylethyl)-o-xylene:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 0.56 mg/l

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Exposure time: 96 h  
 Method: OECD Test Guideline 203  
 Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 0.1 - 1 mg/l  
 Exposure time: 48 h  
 Method: OECD Test Guideline 202  
 Remarks: Based on data from similar materials

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

Toxicity to microorganisms : EC50 (activated sludge): > 100 mg/l  
 Exposure time: 3 h  
 Method: OECD Test Guideline 209  
 Remarks: Based on data from similar materials

**4-(1-Phenylethyl)-m-xylene:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 0.56 mg/l  
 Exposure time: 96 h  
 Method: OECD Test Guideline 203  
 Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 0.1 - 1 mg/l  
 Exposure time: 48 h  
 Method: OECD Test Guideline 202  
 Remarks: Based on data from similar materials

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

Toxicity to microorganisms : EC50 (activated sludge): > 100 mg/l  
 Exposure time: 3 h  
 Method: OECD Test Guideline 209  
 Remarks: Based on data from similar materials

**2-(1-Phenylethyl)-p-xylene:**

Toxicity to fish : LC50 (Oryzias latipes (Orange-red killifish)): 0.31 mg/l  
 Exposure time: 96 h  
 Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.25 mg/l  
 Exposure time: 48 h  
 Method: OECD Test Guideline 202

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|   |   |
|---|---|
| <p>Toxicity to algae/aquatic plants</p>                                       | <p>: ErC50 (Selenastrum capricornutum (fresh water algae)): &gt; 1.54 mg/l<br/>Exposure time: 72 h<br/>Method: OECD Test Guideline 201</p> <p>NOEC (Selenastrum capricornutum (fresh water algae)): 0.73 mg/l<br/>Exposure time: 72 h<br/>Method: OECD Test Guideline 201</p> |
| <p>M-Factor (Acute aquatic toxicity)</p>                                      | <p>: 1</p>  |
| <p>Toxicity to fish (Chronic toxicity)</p>                                    | <p>: NOEC (Oryzias latipes (Japanese medaka)): 0.034 mg/l<br/>Exposure time: 40 d<br/>Method: OECD Test Guideline 210</p>   |
| <p>Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)</p> | <p>: NOEC (Daphnia magna (Water flea)): 0.009 mg/l<br/>Exposure time: 21 d</p>  |
| <p>M-Factor (Chronic aquatic toxicity)</p>                                    | <p>: 10</p>   |
| <p>Toxicity to microorganisms</p>   | <p>: EC50 (activated sludge): &gt; 100 mg/l<br/>Exposure time: 3 h<br/>Method: OECD Test Guideline 209<br/>Remarks: Based on data from similar materials</p>  |

**Ethyl(phenylethyl)benzene:**

|  |   |
|--|---|
| <p>Toxicity to daphnia and other aquatic invertebrates</p> | <p>: EC50 (Daphnia magna (Water flea)): &gt; 0.1 - 1 mg/l<br/>Exposure time: 48 h<br/>Test substance: Water Accommodated Fraction<br/>Method: OECD Test Guideline 202<br/>Remarks: Based on data from similar materials</p> |
|--|---|

|  |            |
|--|------------|
| <p>M-Factor (Acute aquatic toxicity)</p> | <p>: 1</p> |
|--|------------|

|  |            |
|--|------------|
| <p>M-Factor (Chronic aquatic toxicity)</p> | <p>: 1</p> |
|--|------------|

|                                   |  |
|-----------------------------------|--|
| <p>Toxicity to microorganisms</p> | <p>: EC50 (activated sludge): &gt; 100 mg/l<br/>Exposure time: 3 h<br/>Method: OECD Test Guideline 209<br/>Remarks: Based on data from similar materials</p> |
|-----------------------------------|--|

**Persistence and degradability****Components:****4-(1-Phenylethyl)-o-xylene:**

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Biodegradability : Result: Not readily biodegradable.  
Remarks: Based on data from similar materials

**4-(1-Phenylethyl)-m-xylene:**

Biodegradability : Result: Not readily biodegradable.  
Remarks: Based on data from similar materials

**2-(1-Phenylethyl)-p-xylene:**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 0 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301C

**Ethyl(phenylethyl)benzene:**

Biodegradability : Result: Not readily biodegradable.  
Remarks: Based on data from similar materials

**Bioaccumulative potential****Components:****4-(1-Phenylethyl)-o-xylene:**

Bioaccumulation : Species: Cyprinus carpio (Carp)  
Bioconcentration factor (BCF): > 500  
Method: OECD Test Guideline 305  
Remarks: Based on data from similar materials

Partition coefficient: n-octanol/water : log Pow: > 4  
Remarks: Calculation

**4-(1-Phenylethyl)-m-xylene:**

Bioaccumulation : Species: Cyprinus carpio (Carp)  
Bioconcentration factor (BCF): > 500  
Method: OECD Test Guideline 305  
Remarks: Based on data from similar materials

Partition coefficient: n-octanol/water : log Pow: > 4  
Remarks: Calculation

**2-(1-Phenylethyl)-p-xylene:**

Bioaccumulation : Species: Cyprinus carpio (Carp)  
Bioconcentration factor (BCF): 620 - 760  
Method: OECD Test Guideline 305

Partition coefficient: n-octanol/water : log Pow: 5.39  
Method: OECD Test Guideline 107

**Ethyl(phenylethyl)benzene:**



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Partition coefficient: n-octanol/water : log Pow: > 4  
Remarks: Calculation

**Mobility in soil**

No data available

**Other adverse effects**

No data available

**Section 13: Disposal considerations****Disposal methods**

Waste from residues : Do not dispose of waste into sewer.  
Dispose of in accordance with local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
If not otherwise specified: Dispose of as unused product.

**Section 14: Transport information****International Regulations****UNRTDG**

UN number : UN 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(2-(1-Phenylethyl)-p-xylene, 4-(1-Phenylethyl)-o-xylene)

Class : 9  
Packing group : III  
Labels : 9  
Environmentally hazardous : yes

**IATA-DGR**

UN/ID No. : UN 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
(2-(1-Phenylethyl)-p-xylene, 4-(1-Phenylethyl)-o-xylene)

Class : 9  
Packing group : III  
Labels : Miscellaneous  
Packing instruction (cargo aircraft) : 964  
Packing instruction (passenger aircraft) : 964  
Environmentally hazardous : yes

**IMDG-Code**

UN number : UN 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

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|                  |  |
|------------------|--|
|                  | (2-(1-Phenylethyl)-p-xylene, 4-(1-Phenylethyl)-o-xylene) |
| Class            | : 9  |
| Packing group    | : III  |
| Labels           | : 9  |
| EmS Code         | : F-A, S-F   |
| Marine pollutant | : yes  |

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

Not applicable for product as supplied.

**National Regulations****NZS 5433**

|                      |  |
|----------------------|--|
| UN number            | : UN 3082  |
| Proper shipping name | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.    |
|                      | (2-(1-Phenylethyl)-p-xylene, 4-(1-Phenylethyl)-o-xylene) |
| Class                | : 9  |
| Packing group        | : III  |
| Labels               | : 9  |
| Hazchem Code         | : 3Z   |
| Marine pollutant     | : yes  |

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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**Section 15: Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture****HSNO Approval Number**

HSR002647 Reagent Kits Group Standard

Tolerable Exposure Limits (TEL)

Not applicable

Environmental Exposure Limits (EEL)

Not applicable

**HSW Controls**

Certified handler certificate not required.

Tracking hazardous substance not required.

Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

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**Section 16: Other information**

Revision Date : 03.07.2025

**SAFETY DATA SHEET****IMMOIL-8CC\_IMMOIL-500CC****Further information**

Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Date format : dd.mm.yyyy

**Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

## SAFETY DATA SHEET

### IMMOIL-8CC\_IMMOIL-500CC

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