

SOUTHERN GROUP LABORATORY LIMITED

SAFETY DATA SHEET

SECTION 1.	IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
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1.1 Product identifier

Product name Immersion oil

SGL Product code 0323

This product is a mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Reagent for laboratory analysis

Uses advised against No information on uses against available

1.3. Details of the supplier of the safety data sheet

Supplier Southern Group Laboratory,
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SECTION 2.	HAZARDS IDENTIFICATION
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2.1 Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008

Physical hazards

Based on available data, no classification met

Health hazards

Based on available data, no classification met

Environmental hazards

Hazardous to the Aquatic Environment – Acute (category 1), H400
Hazardous to the Aquatic Environment – Chronic (category 2), H411

For the full text of the H-Statements mentioned see Section 16.

2.2. Label elements

Pictogram



Signal word

WARNING

Hazard statements

H400: Very toxic to aquatic life
H411: Toxic to aquatic life with long lasting effects

Precautionary statements

P273: Avoid release to the environment
P391: Collect spillage
P501: Dispose of contents/container in accordance with national regulations

2.3. Other hazards

None

SECTION 3.	COMPOSITION/INFORMATION ON INGREDIENTS
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3.1. Substances

Not applicable

3.2. Mixtures

Name	EC No.	CAS-No.	Concentration	Classification
Benzyl benzoate	204-402-9	120-51-4	30 - 50%	Acute Toxicity 4: H302 Hazardous to the aquatic environment (acute) 1: H400 Hazardous to the aquatic environment (chronic) 2: H411 M Factor – Aquatic Acute: 1

Composition comments The data shown are in accordance with Regulation (EC) No. 1272/2008.

SECTION 4.	FIRST-AID MEASURES
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4.1 Description of first aid measures

- Inhalation** Remove from exposure to fresh air
- Ingestion** Wash out mouth thoroughly with water and consume up to 2 glasses of water. In severe cases and/or if symptoms occur, obtain medical attention.
- Skin contact** Wash off thoroughly with soap and water. Remove contaminated clothing and wash before re-use.
- Eye Contact** Irrigate thoroughly with water for at least 10 minutes. Remove contact lenses, if present and easy to do. If discomfort persists, obtain medical attention
- Self Protection of the first aider** No special precautions identified

4.2 Most important symptoms and effects, both acute and delayed

None expected under normal circumstances

4.3. Indication of any immediate attention and special treatment needed

Notes for doctor No specific recommendations

SECTION 5.	FIRE – FIGHTING MEASURES
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5.1. Extinguishing media

- Suitable extinguishing media** Water, foam, carbon dioxide (CO₂), powder
- Unsuitable extinguishing media** None identified

Prevent fire fighting media from entering watercourses or ground water.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Possible generation of hazardous gases or vapours in event of fire

5.3. Advice for firefighters

Protective actions during firefighting Wear self contained breathing apparatus (SCBA)

SECTION 6.	ACCIDENTAL RELEASE MEASURES
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6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective clothing as described in Section 8 of this safety data sheet.
Avoid breathing vapours or aerosols.

6.2. Environmental precautions

Must not be released into the environment.

6.3. Methods and material for containment and cleaning up

Collect spillage using suitable non-combustible material. Seal material in closed container avoiding the generation of aerosols or vapours. Wear personal protective clothing as recommended in Section 8. Cover drains to avoid releasing into environment. Dispose as recommended in Section 13.

6.4. Reference to other sections

Section 8 for protective measures.
Section 13 for disposal considerations.

SECTION 7.	HANDLING AND STORAGE
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7.1 Precautions for safe handling

Wear personal protective clothing. Avoid contact with skin, eyes and clothing. Avoid formation of aerosols or vapours. Ensure adequate ventilation. Change contaminated clothing. Wash hands after working with material.

7.2 Conditions for safe storage, including any incompatibilities

Store according to label requirements. Keep closed.

7.3 Specific end use(s)

Use in laboratories.

SECTION 8.	EXPOSURE CONTROLS/PERSONAL PROTECTION
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8.1 Control parameters

Component	CAS No	Long Term Exposure Limit (8 hr TWA Reference Period)	Short Term Exposure (15 Min Reference Period)	Basis	Comments
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

This mixture contains no components with known occupational exposure limits

8.2 Exposure controls

Engineering measures

Avoid inhalation of vapours. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Protective equipment



Eye/face protection

Safety goggles or glasses complying with Standard EN166

Hand protection

Disposable nitrile rubber gloves complying with EC Directive 89/686/EEC and Standard EN374
 Glove thickness of 0.65mm
 See manufacturer's recommendations for break through times

Material tested: Not applicable

Other skin and body protection Long sleeved clothing

Hygiene measures Wash hands immediately after use

Respiratory protection Not required during normal use unless vapour formation expected

SECTION 9.	PHYSICAL AND CHEMICAL PROPERTIES
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9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Light yellow
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	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	
Lower explosion limit (VOL-%)	No data available
Upper explosion limit (VOL-%)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility(ies)	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

9.2. Other information

None

SECTION 10.	STABILITY AND REACTIVITY
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10.1 Reactivity

No data available

10.2 Chemical stability

Chemically stable at room temperature

10.3 Possibility of hazardous reactions

Violent reaction possible with strong oxidising agents

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Various plastics, light metals and metal alloys

10.6 Hazardous decomposition products

No data available

SECTION 11.	TOXICOLOGICAL INFORMATION
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11.1 Information on toxicological effects

The acute toxicity data is based on the mixture.

Acute oral toxicity	Classification criteria are not met
ATEmix	>2000 mg/kg
Method	Calculation
Acute dermal toxicity	No data available
Acute inhalation toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT single exposure	No data available
STOT repeated exposure	No data available
Aspiration hazard	No data available

11.2 Additional information

No data available.

SECTION 12.	ECOLOGICAL INFORMATION
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12.1 Toxicity

No information available

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

No information available

12.6 Other adverse effects

No information available

SECTION 13.	DISPOSAL CONSIDERATIONS
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13.1 Waste treatment methods

Dispose of in accordance with applicable local and national regulations.

SECTION 14.	TRANSPORT INFORMATION
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Land transport (ADR/RID) / Sea transport (IMDG) / Air transport (ICAO-TI/IATA-DGR)

14.1 <u>UN number</u>	3082
14.2 <u>UN proper shipping name</u>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate)
14.3 <u>Transport hazard class(es)</u>	9
14.4 <u>Packing group</u>	III
14.5 <u>Environmental hazards</u>	Yes

14.6 Special precautions for user No

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

Not applicable, packaged goods.

SECTION 15.	REGULATORY INFORMATION
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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of Substances and mixtures (as amended).

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier

SECTION 16.	OTHER INFORMATION
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16.1 Relevant H- and EUH-phrases (number and full text)

H302: Harmful if swallowed
H400: Very toxic to aquatic life
H411: Toxic to aquatic life with long lasting effects

16.2 Additional information

The above information is based on present knowledge, but does not purport to be inclusive and should only be used as a guide. Southern Group Laboratory shall not be held liable for any damage resulting from handling or from contact with the above product.

The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made up material.

16.3 Revision summary

Changes to this issue Sections 2 and 3 updated to include Aquatic acute 1 hazard H400 with Warning signal word.
Section 4.1 inhalation statement expanded to include removal to fresh air.
Section 8.2 glove thickness increased to 0.65mm.
Section 10.2 chemical stability statement added

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END OF SAFETY DATA SHEET