



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

Version 1.2
Revision date: 27.08.2021

Immersol™ G

Material: 000000-0531-910
Date of last issue: 29.07.2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name : Immersol™ G

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

Sector : Life Sciences, Research and Development
Sector of use : Industrial and professional use
Identified uses : Glycerin for fluorescence-microscopy

For application information, consult the processing instructions. Processing instructions or technical information sheet available on request.

Details of the supplier of the safety data sheet

Manufacturer/supplier : Carl Zeiss Jena GmbH
Oberkochen location
Address : Carl-Zeiss-Straße 22
D-73447 Oberkochen
Telephone : +49 7364 20-0
Technical Information : Chemical and material engineering
Telephone : +49 7364 20-4599
Telefax : +49 7364 20-4521
Product Safety : Chemical and material engineering
E-mail address : gabriele.zeiher@zeiss.com, uwe.hamm@zeiss.com

Emergency telephone number

Poisoning Control Center : +49 551 19240 (24 hours)

SECTION 2: Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

Exempt

Other hazards



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None known.

SECTION 3: Composition/information on ingredients

Chemical nature: Mixtures

Immersion fluid based on glycerol.

Hazardous components

Contains no hazardous ingredients.

SECTION 4: First aid measures

Description of first aid measures

- General advice : Remove and wash contaminated clothing before re-use.
Inhalation : Provide with fresh air.
Skin contact : Wash off with plenty of water.
Eye contact : Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
Ingestion : Drink plenty of water. Do NOT induce vomiting. Get medical attention.

Most important symptoms and effects, both acute and delayed

- Symptoms : The most important known symptoms and effects are described in section 2 and / or section 11.

Indication of any immediate medical attention and special treatment needed

- Treatment : No information available.

SECTION 5: Firefighting measures

Extinguishing media

- Suitable extinguishing media : Water, Carbon dioxide (CO₂), Foam, Dry powder

Special hazards arising from the substance or mixture

- Hazards caused by the substance/combustion products/origin of gases : Combustible. In case of fire formation of carbonoxides and other toxic gases/vapors is possible.

Advice for firefighters

- Protective equipment : In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.
Protective measures : Use water spray to cool unopened containers. Avoid extinguishing water reaching water or ground water system. Dispose of remnants of burning in compliance with the official local regulations.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures



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Precautions : Avoid contact with skin, eyes and clothing. Do not breathe vapor/aerosol.

Environmental precautions

Environmental precautions : Do not discharge into sewerage system, surface water or soil.

Methods and material for containment and cleaning up

Removal : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Reference to other sections

Additional advice : Adequate disposal For disposal considerations see section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Safe handling advice : No special handling advice required. Avoid contact with skin and eyes.

Advice on protection against fire and explosion : No special protective measures against fire required.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep tightly closed. Store in original container.

Advice on common storage : Do not store together with food.

Storage temperature : 5 - 30 °C

Specific end use(s)

Use : Apart from the uses mentioned in section 1 no other specific uses are intended.

SECTION 8: Exposure controls/personal protection

Control parameters

Note : None.

Exposure controls

Individual protection measures, such as personal protective equipment

Protective measures : Handle in accordance with good industrial hygiene and safety practice.

Respiratory protection : Not required; except in case of aerosol formation.

Hand protection : Not required. Avoid contact with skin.

Eye protection : Avoid contact with eyes, if necessary wear eye protection.

Environmental exposure controls

Additional advice : see section 6



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SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Form	:	liquid
Colour	:	colourless
Odour	:	odorless
Boiling point/boiling range	:	> 130 °C
Flash point	:	ca. 180 °C
Density	:	1,23 g/cm ³ at 20 °C (DIN 51757)
Water solubility	:	soluble

SECTION 10: Stability and reactivity

Reactivity

Notes : Forms explosive mixtures with air on intense heating.

Chemical stability

Stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions

Hazardous reactions : Vapour/air-mixtures are explosive at intense warming.

Conditions to avoid

Conditions : Strong heating.

Incompatible materials to avoid

Materials to avoid : Strong acids and oxidizing agents, halogens

Hazardous decomposition products

SECTION 11: Toxicological information

Information on toxicological effects

Acute oral toxicity	:	LD50 Rat: 12.600 mg/kg
Acute dermal toxicity	:	LD50 Rabbit: > 18.700 mg/kg
Skin irritation	:	Rabbit Result: No skin irritation
Eye irritation	:	Rabbit Result: No eye irritation (OECD Test Guideline 405)
Sensitisation	:	Result: Not sensitizing.



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Specific target organ toxicity - single exposure : No data available
Specific target organ toxicity - repeated exposure : No data available
Carcinogenicity : No data available
Germ cell mutagenicity : No data available
Reproductive toxicity : No data available
Aspiration hazard : No data available
Other information on toxicity : Information refers to the main component. Health injuries are not known or expected under normal use. Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: Ecological information

Toxicity

Fish-toxicity : LC50 (*Oncorhynchus mykiss* (rainbow trout)): 54,000 mg/l / 96 h
Daphnia toxicity : EC50 (*Daphnia magna* (Water flea)): > 10.000 mg/l / 24 h

Persistence and degradability

Biological degradability : Readily biodegradable.

Bioaccumulative potential

General Information : No appreciable bioaccumulation potential is to be expected.

Mobility in soil

Additional advice : No data available

Results of PBT and vPvB assessment

Result Chemical Safety Report : Not applicable

Other adverse effects

Other data : Information refers to the main component. Ecological injuries are not known or expected under normal use. Do not let product enter drains.

SECTION 13: Disposal considerations

Waste treatment methods

Product : In accordance with local and national regulations.
Uncleaned empty packaging : Clean container with water. Offer rinsed packaging material to local recycling facilities. Uncleaned empty containers must be treated like ingredients.



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SECTION 14: Transport information

Land transport ADR/RID

Not classified as dangerous in the meaning of transport regulations.

Sea transport IMDG

Not classified as dangerous in the meaning of transport regulations.

Air transport ICAO/IATA

Not classified as dangerous in the meaning of transport regulations.

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

Not applicable

SECTION 15: Regulatory information

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

Seveso Directive : 2012/18/EU:
Does not fall under Seveso III - Directive / Major accident legislation.

Chemical safety assessment

Not required.

SECTION 16: Other information

The information in this safety sheet is based on the data available at the time of compilation and is intended to describe the product with respect to the precautions to be taken in its use. This information is provided without any guarantee of the properties specified.

Update information

Relevant changes to the previous version are symbolized by vertical bars at the left edge.

Additional advice

Sources: Reg. 1272/2008, Annex VI, TRGS 900, Supplier details, TRGS 903, International dangerous goods regulations