



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

Version 1.1
Revision date: 29.07.2015

Material:
Print Date 15.01.2016

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

Trade name : Immersol™ G

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
Mailto : gabriele.zeiher@zeiss.com, uwe.hamm@zeiss.com

Emergency telephone number : Poisoning Control Center
Telephone : +49 551 19240 (24 hours)

Use of the Substance / Preparation

Sector : Life Sciences, Research and Development
Application category : Industrial and professional use
Use : Glycerin for fluorescence-microscopy

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

2. Hazards identification

Classification according to Regulation (EC) No. 1272/2008 (GHS)¹

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

Classification according to Directive 67/548/EEC or Directive 1999/45/EC²

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

For footnotes, see section 16.

3. Composition / information on ingredients

Information on the substance / preparation (mixture)

Immersion fluid based on glycerol.

Hazardous components

Contains no hazardous ingredients.

4. First aid measures

General advice : Remove and wash contaminated clothing before re-use.
Inhalation : Provide with fresh air.



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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. Call a physician.

5. Fire-fighting measures

Suitable extinguishing media : Water, Carbon dioxide (CO₂), Foam, Dry powder
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.
Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.
Other data : 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.

6. Accidental release measures

Personal precautions : Avoid contact with skin, eyes and clothing. Do not breathe vapor/aerosol.
Environmental precautions : Do not let product enter drains.
Removal : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Adequate disposal.

7. Handling and storage

Handling

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

Storage

Requirements for storage areas and containers : Keep tightly closed. Store in original container.
Incompatibilities/not to be stored with : Do not store together with food.

Storage stability

Storage temperature : 5 - 30 °C

8. Exposure controls / personal protection

Exposure limit(s)

Note : None.



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Occupational exposure controls

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

9. Physical and chemical properties

General Information

Form : liquid
Colour : colourless
Odour : odorless

Important Health Safety and Environmental Information

Boiling point/boiling range : > 130 °C
Flash point : ca. 180 °C
Density : 1,23 g/cm³ at 20 °C (DIN 51757)
Water solubility : soluble

10. Stability and reactivity

Hazardous reactions : Vapour/air-mixtures are explosive at intense warming.
No decomposition if stored and applied as directed.
Conditions to avoid : Strong heating.
Materials to avoid : Strong acids and oxidizing agents, halogens

11. Toxicological information

General Information

Other information on toxicity : Health injuries are not known or expected under normal use.
Handle in accordance with good industrial hygiene and safety practice.

12. Ecological information



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Persistence and degradability

Biological degradability : Readily biodegradable.

Bioaccumulative potential

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

Other environmental data

Other data : Ecological injuries are not known or expected under normal use.
Do not let product enter drains.

13. Disposal considerations

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

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.

15. Regulatory information

Labelling according to Regulation (EC) No. 1272/2008 (GHS) ¹

Exempt

For footnotes, see section 16.

Labelling according to Directive 67/548/EEC or Directive 1999/45/EC ²

Not applicable.

For footnotes, see section 16.



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EU-Regulations

Seveso Directive II : 96/82/EG: Does not fall under Seveso II - Directive / Major accident legislation

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

Footnotes:

1] Obligatory for substances from December, 01, 2010, obligatory for mixtures from June, 01, 2015.

2] Valid for substances until November, 30, 2010, valid for preparations (mixtures) until May, 31, 2015.