

SAFETY DATA SHEET

In accordance with ISO 11014: 2009

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product name and number Refractive Index Standard Sample 100 mL (P/N: 228-32996-05)

Manufacture/Supplier

Manufacture/supplier SHIMADZU CORPORATION
Department in charge Analytical & Measuring Instruments Division
Address 1 Nishinokyo-Kuwabara-cho, Nakagyo-ku, Kyoto 604-8511, Japan
Telephone number 81(75)-823-1193
Fax number 81(75)-811-0318
Emergency telephone number 81(75)-823-1193

Recommended Use and Restriction on Use

For Laboratory Research

2. HAZARDS IDENTIFICATION

Important Hazards

GHS Classification

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

This substance is not classified as dangerous according to Directive 67/548/EEC.

Label Elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

Other Hazards

No information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture

Mixture

Compositions

No.	Chemical name / Generic name	CAS number	Concentration
1	Glycerol	56-81-5	872 µg/mL
2	Water	7732-18-5	Solvent

4. FIRST-AID MEASURES

First-Aid Procedures

If inhaled Remove to fresh air. If breathing becomes difficult, call a physician.
If on skin Immediately wash skin with soap and copious amounts of water.
If in eyes Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

If swallowed

Wash out mouth with water provided person is conscious. Call a physician immediately.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Hazards Arising from the Substance or Mixture

Carbon oxides

Advice for Firefighters

Wear self-contained breathing apparatus for fire-fighting if necessary.

Further Information

No information

6. ACCIDENTAL RELEASE MEASURES

Procedure(s) of Personal Precaution(s)

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

Methods for Cleaning Up

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Handling

User Exposure

Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage

Suitable

Keep tightly closed.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls

Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment

Respiratory protection

Wear dust mask

Hand protection

Protective gloves.

Eye protection

Chemical safety goggles

General Hygiene Measures

Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Clear and colorless liquid

(Physical state, form and color)

Odour

Odourless

pH	No information
Melting point/ freezing point	No information
Boiling point, initial boiling point and boiling range	No information
Flashpoint	No information
Flammability	No information
Upper/lower explosive limits	No information
Vapour pressure	No information
Vapour density	No information
Relative Density	No information
<i>n</i> -octanol/water partition coefficient	No information
Auto-ignition temperature	No information
Decomposition temperature	No information
Viscosity	No information

10. STABILITY AND REACTIVITY

Stability	
Stable	Stable.
Material to avoid	Strong oxidizing agents.
Hazardous decomposition product	Carbon monoxide, Carbon dioxide.
Hazardous polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

Toxicological Information for Ingredients

Acute toxicity (oral/dermal/inhalation)	No information
Skin corrosion/irritation	No information
Serious eye damage / eye irritation	No information
Respiratory or skin sensitization	No information
Germ cell mutagenicity	No information
Toxic to reproduction	No information
Specific target organ toxicity (single exposure)	No information
Specific target organ toxicity (repeated exposure)	No information
Aspiration hazard	No information
Potential health effects	Inhalation: May be harmful if inhaled. May cause respiratory tract irritation. Ingestion: May be harmful if swallowed. Skin: May be harmful if absorbed through skin. May cause skin irritation. Eyes: Causes eye irritation.
Signs and Symptoms of Exposure	Prolonged or repeated exposure can cause: Nausea, Headache, Vomiting
Additional Information	RTECS: No information
Carcinogenicity	
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

12. ECOLOGICAL INFORMATION

Ecological Information for Ingredients

Toxicity	No information
Persistence and degradability	No information
Bioaccumulative potential	No information
Mobility in soil	No information
Results of PBT and vPvB assessment	No information
Other adverse effects	No information

13. DISPOSAL CONSIDERATIONS

Appropriate Method of Disposal of Substance Preparation

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14. TRANSPORT INFORMATION

IATA	Not Restricted
Marine pollutant	Not applicable

DOT (Department of Transportation)

Not a Hazardous Material for DOT shipping.

15. REGULATORY INFORMATION

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture: No information

Chemical Safety Assessment: No information

16. OTHER INFORMATION

Disclaimer

For R&D use only. Not for drug, household or other uses.

This Safety Data Sheet (SDS) has been prepared on the basis of laws, regulations and information available at this time. Precautionary measures in this SDS are only applicable for normal handling conditions and it is necessary to take appropriate additional measures to ensure safe handling which depend on your specific use conditions or situations.