

Safety Data Sheet

Part Number 325369

Section 1. Substance Identity and Company Contact Information

Product Name	Brij®-35, 21% solution (Brij is a registered trademark of ICI Americas.)	Product Part Number(s)	326126
Trade Name	Brij-35, 21% solution	Unit Size	30 mL
Company	OI Analytical, P.O. Box 9010, College Station, TX 77842-9010, Phone: (979) 690-1711, Fax: (979) 690-0440		

Emergency No. 1-800-424-9300 (Chemtrec). Use only in the event of chemical emergencies involving spills, leaks, fire, exposure, or accidents involving chemicals.

Section 2. Hazards Identification

Pictogram(s)



Signal Word

Danger

GHS Classification

Acute toxicity, Oral (Category 4)
 Skin irritation (Category 2)
 Serious eye damage (Category 1)
 Acute aquatic toxicity (Category 2)
 Chronic aquatic toxicity (Category 2)

Hazard Statement(s)

Harmful if swallowed. Causes skin irritation. Causes serious eye damage. Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

Wash skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Avoid releasing to the environment. Wear protective gloves/eye protection/face protection.

Target Organ(s)

Eyes and skin

Potential Health Effects

Eye:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin:	Wash with plenty of soap and water.
Ingestion:	Call a doctor if you feel unwell.
Inhalation:	Not expected to be hazardous by inhalation
IARC:	No
NTP:	No
OSHA:	No

Chronic Effects/ Carcinogenicity

Teratology (Birth Defects) Information

Mutation data cited in the "Registry of Toxic Effects of Chemical Substances" or other information sources.

Reproductive Information

No information found in the "Registry of Toxic Effects of Chemical Substances" or other information sources.

NFPA Ratings

Health:	2
Flammability:	1
Reactivity:	0

HMIS Rating	Health:	2
	Flammability:	1
	Reactivity:	0
	Protective Equipment:	B (protective eye wear and gloves)

Section 3. Chemical Composition and Data on Components

Ingredient	CAS No.	Percent	Hazard Data	
			ACGIH TLV	OSHA PEL
Brij®-35 (polyoxyethylene lauryl ether)	9002-92-0	21	Not data available	Not data available
Water, deionized	7732-18-5	79	Not data available	Not data available

Section 4. First Aid Measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of the dangerous area.
If Inhaled	Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In Case of Skin Contact	Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If Swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Indication of Any Immediate Medical Attention and Special Treatment Needed	No data available.

Section 5. Fire-fighting Measures

General Information	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full-protective gear. Irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors may be heavier than air. They can speed along the ground and collect in low or confined areas.
Suitable 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.
Flash Point	None
Autoignition Temperature	Not data available
Further Information	No data available

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures	Use personal protective equipment (Section 8). Avoid dust formation. Avoid breathing vapors, mist, dust, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental Precautions	Prevent further leakage or spillage, if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods and Materials for Containment and Cleaning	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
Reference to Other Sections	For disposal, see Section 13.

Section 7. Handling and Storage

Precautions for Safe Handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for Safe Storage, Including any Incompatibilities	Keep container tightly closed in a dry and well-ventilated place.
Specific End Use(s)	Analytical chemistry

Section 8. Exposure Controls and Personal Protection

Components with Workplace Control Parameters	Contains no substances with occupational exposure limit values.
Appropriate Engineering Controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the work day.
Eye/Face Protection	Face shield and safety glasses.
Skin Protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body Protection	Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory Protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator. If the respirator is the only means of protection, use a full-face supplied air respirator.
Control of Environmental Exposure	Prevent further leakage to spillage, if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 9. Physical and Chemical Properties

Appearance	Form: Semi-solid melting to a liquid; Color: Colorless
Odor	Odorless
Odor Threshold	No data available
pH	5.5 - 7.5 at 100 g/L
Melting Point/Freezing Point	Melting point/range: 41 - 45 °C (106 - 113 °F) - lit.
Initial Boiling Point and Boiling Range	100 °C (212 °F) - lit.
Flash Point	113 °C (235 °F) - closed cup
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Upper/Lower Flammability or Explosive Limits	No data available
Vapor Pressure	< 1 hPa (< 1 mmHg) at 20 °C (68 °F)
Vapor Density	No data available
Relative Density	1.05 g/cm ³ at 25 °C (77 °F)
Water Solubility	Soluble
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
Oxidizing Properties	No data available
Other Safety Information	No data available

Section 10. Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	No data available
Incompatible Materials	Strong oxidizing agents

Section 11. Toxicological Information

Routes of Exposure	<i>On the skin:</i>	Irritant effect
	<i>On the eye:</i>	Irritant effect
	<i>Inhalation:</i>	Not data available
	<i>Ingestion:</i>	Not data available
Respiratory or Skin Sensitization	No sensitizing effects known.	
Signs and Symptoms of Overexposure	Product can cause eye irritation.	
Toxicity Data	<i>Oral rat LD50</i>	1,000 mg/kg (Brij-35)* *Information shared from the "Registry of Toxic Effects of Chemical Substances".

Section 12. Ecological Information

General Notes	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.
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Section 13. Disposal Considerations

Product	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated Packaging	Dispose of as unused product

Section 14. Transport Information

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

Section 15. Regulatory Information

OSHA Status	The above item either does not contain any specifically hazardous material or the potentially hazardous material is present in such low concentration that the item does not present any immediate threat to health and safety. This item does not meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.
TSCA Status	All components of this solution are listed in the TSCA inventory.
CERCLA Reportable Quantity	None reportable
SARA Title III	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
RCRA Status	No
California Proposition 65	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
Chemical Weapons Convention	No
TSCA 12 (b)	Yes

SARA 311/312

Acute:	Yes
Chronic:	No
Fire:	No
Pressure:	No
Reactivity:	No

Australian Hazchem Code

None allocated

Poison Schedule

None allocated

WHMIS

This SDS has been prepared according the hazard criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.

Section 16. Other Information

Date Prepared: April 14, 2004

Revised: May 18, 2015

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

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