

SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2018
Date Updated: July 18, 2018

SECTION 1. ----- PRODUCT AND COMPANY IDENTIFICATION-----

| | |
|--------------------------------------|--|
| Product Name | Brij 35 72% Solution |
| Product Code(s) | BB0638 |
| Recommended Use | For Laboratory Research Use Only Not for Human or Animal Drug Use |
| | |
| Supplier | Bio Basic Inc. |
| Address | 20 Konrad Crescent, Markham, Ontario, Canada, L3R 8T4 |
| Telephone | (905) 474 4493 |
| Fax | (905) 474 5794 |
| For Chemical Emergency Phone# | (416) 995 9730 |

SECTION 2. ----- HAZARDS IDENTIFICATION -----

Classification


OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|-----------------------------------|------------|
| Acute Toxicity - Oral | Category 4 |
| Skin Corrosion/Irritation | Category 2 |
| Serious Eye Damage/Eye Irritation | Category 1 |

Label elements

Emergency Overview

| | | |
|--|----------------------------------|--------------------------------------|
| Danger | | |
| Hazard statements H302 - Harmful if swallowed H315 - Causes skin irritation H318 - Causes serious eye damage | | |
|  | | |
| Appearance White | Physical State Waxy Solid | Odor No information available |

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product

Precautionary Statements - Response

Specific treatment (see .? on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor
 IF ON SKIN: Wash with plenty of water and soap
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash it before reuse
 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell Rinse mouth

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not regulated

Other Information

SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

| Chemical Name | EC No. | CAS-No | Weight % |
|----------------------------------|-----------|-----------|----------|
| Lauryl polyethylene glycol ether | - | 9002-92-0 | 72 |
| water | 231-791-2 | 7732-18-5 | 28 |

SECTION 4. ----- FIRST-AID MEASURES -----

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing becomes difficult, give oxygen
Ingestion Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person.
Notes to Physician Treat symptomatically

SECTION 5. ----- FIRE FIGHTING MEASURES -----

Flammable Properties Not flammable
Flash Point Not determined
Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Hazardous Combustion Products No information available.
Explosion Data
Sensitivity to Mechanical Impact Not sensitive
Sensitivity to Static Discharge Not sensitive
Protective Equipment and Precautions for Firefighters
 As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

SECTION 6. ----- ACCIDENTAL RELEASE MEASURES -----

Personal Precautions Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure

adequate ventilation

Methods for Containment Prevent further leakage or spillage if safe to do so

Methods for Cleaning Up Pick up and transfer to properly labeled containers

SECTION 7. ----- HANDLING AND STORAGE-----

Handling Handle in accordance with good industrial hygiene and safety practice. Protect from light.

Storage Keep container tightly closed in a dry and well-ventilated place. Protect from light.

Incompatible Products None known based on information supplied.

SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|-----------|----------|------------|
| Lauryl polyethylene glycol ether 9002-92-0 | - | - | - |

Engineering Measures
Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields.

Skin and Body Protection Wear protective gloves/clothing

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA Approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice

SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----

| | |
|-------------------------------------|---|
| Appearance | White |
| Odor | No information available |
| Odor Threshold | No information available |
| Decomposition Temperature °C | No information available |
| Freezing Point | No information available |
| Initial Boiling Point | No information available |
| Physical State | Waxy Solid |
| pH | No data available |
| Flash Point | Not determined |
| Autoignition Temperature | No data available |
| Boiling Point/Range | No data available |
| Melting Point/Range | No data available |
| Flammability Limits in Air | Upper No data available Lower No data available |
| Explosive Properties | No information available |
| Oxidizing Properties | No information available |
| Evaporation Rate | No data available |
| MMHG @ 37.8 C | No data available |

Vapor Density No data available
 Specific Gravity No data available
 Solubility No information available
 Partition Coefficient No data available
 (n-octanol/water)
 Viscosity No information available

SECTION 10. -----STABILITY AND REACTIVITY -----

Stability Stable under recommended storage conditions
 Incompatible Products None known based on information supplied.
 Conditions to Avoid Extremes of temperature and direct sunlight.
 Hazardous Decomposition Products None known based on information supplied.
 Hazardous Polymerization Hazardous polymerization does not occur

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

Information on likely routes of exposure

Product Information

Inhalation There is no data available for this product.
 Eye Contact Irritating to eyes.
 Skin Contact Irritating to skin.
 Ingestion Harmful if swallowed.

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|------------------|-------------|-----------------|
| Lauryl polyethylene glycol ether 9002-92-0 | = 1 g/kg (Rat) | | |

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.
 Mutagenic Effects No information available.
 Carcinogenicity No information available.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---|-------|------|-----|------|
| Lauryl polyethylene glycol ether 9002-92-0 | - | - | - | - |

Reproductive Toxicity No information available.
 STOT - single exposure No information available.
 STOT - repeated exposure No information available.
 Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

SECTION 12. ----- ECOLOGICAL INFORMATION -----

Ecotoxicity

100% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name | Algae/aquatic plants | Toxicity to Fish | Crustacea |
|---|----------------------|------------------|-----------|
| Lauryl polyethylene glycol ether 9002-92-0 | - | - | - |

Persistence and Degradability

No information available.

Bioaccumulation/Accumulation

No information available.

| Chemical Name | Partition coefficient |
|---|-----------------------|
| Lauryl polyethylene glycol ether 9002-92-0 | - |

Other Adverse Effects

No information available

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

Waste treatment methods

Waste Disposal Method

Dispose of material in accordance with all federal, state, and local regulations.

Contaminated Packaging

Do not re-use empty containers.

| Chemical Name | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|---|------|--------------------------|------------------------|------------------------|
| Lauryl polyethylene glycol ether 9002-92-0 | - | - | - | - |

| Chemical Name | RCRA - Halogenated Organic Compounds | RCRA - P Series Wastes | RCRA - F Series Wastes | RCRA - K Series Wastes |
|---|--------------------------------------|------------------------|------------------------|------------------------|
| Lauryl polyethylene glycol ether 9002-92-0 | - | - | - | - |

| Chemical Name | California Hazardous Waste Status |
|---|-----------------------------------|
| Lauryl polyethylene glycol ether 9002-92-0 | - |

SECTION 14. ----- TRANSPORT INFORMATION -----

DOT

Not regulated

IATA

Not regulated

SECTION 15. ----- REGULATORY INFORMATION -----

International Inventories

| | |
|---------------|----------|
| TSCA | Complies |
| DSL/NDL | Complies |
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Complies |

KECL Complies
 PICCS Complies
 AICS Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 IECSC - China Inventory of Existing Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Component | SARA 313 - Threshold Values % |
|--|-------------------------------|
| Lauryl polyethylene glycol ether 9002-92-0 (95-100) | - |

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
 Chronic Health Hazard No
 Fire Hazard No
 Sudden Release of Pressure Hazard No
 Reactive Hazard No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---|-----------------------------|------------------------|---------------------------|----------------------------|
| Lauryl polyethylene glycol ether 9002-92-0 | - | - | - | - |

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

| Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ |
|---|--------------------------|------------------------------------|----|
| Lauryl polyethylene glycol ether 9002-92-0 | - | - | - |

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

| Chemical Name | California Prop. 65 |
|--|---------------------|
| Lauryl polyethylene glycol ether - 9002-92-0 | - |

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| Lauryl polyethylene glycol ether 9002-92-0 | - | - | - |

U.S. EPA Label Information

EPA Pesticide Registration Number Not regulated

SECTION 16. ----- OTHER INFORMATION-----

Further information: no limited for paper copy, just for internal uses.
For research use only. Not intended for human or animal diagnostic or therapeutic uses.

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS