

# Material Safety Data Sheet

## Brij 35

ACC# 00569

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** Brij 35

**Catalog Numbers:** AC228340000, AC228340010, AC228340050, AC228342500, AC228345000, AC9564307, XXAC22834-21

**Synonyms:** Dodecyl alcohol, ethoxylated; Brij 30; Brij 35; Ethoxylated lauryl alcohol; Lauryl poly(oxyethylene) ether; Lauryl polyethylene glycol ether; Poly(oxyethylene) monolauryl ether.

**Company Identification:**

Fisher Scientific  
1 Reagent Lane  
Fair Lawn, NJ 07410

**For information, call:** 201-796-7100

**Emergency Number:** 201-796-7100

**For CHEMTREC assistance, call:** 800-424-9300

**For International CHEMTREC assistance, call:** 703-527-3887

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
9002-92-0	Lauryl polyethylene glycol ether	99	unlisted
7732-18-5	Water	< 1	231-791-2

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Appearance: white, waxy solid solid.

**Warning!** Causes eye irritation. May cause skin irritation. May be harmful if swallowed.

**Target Organs:** Eyes, nervous system, skin.

**Potential Health Effects**

**Eye:** Causes severe eye irritation.

**Skin:** Causes moderate skin irritation. Prolonged or repeated contact may dry/defat the skin and cause irritation.

**Ingestion:** May be harmful if swallowed. Ingestion of ethoxylated lauryl alcohol has produced ulceration or bleeding from the stomach, fatty liver degeneration, flaccid paralysis without anesthesia, loss of muscular coordination, muscle weakness, and difficult breathing in animal studies.

**Inhalation:** Material has a low vapor pressure, so exposure to vapor is not likely.

**Chronic:** No information found.

### Section 4 - First Aid Measures

**Eyes:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

**Skin:** In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

**Ingestion:** If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:** Treat symptomatically and supportively.

### 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.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**Flash Point:** > 149 deg C (> 300.20 deg F)

**Autoignition Temperature:** Not available.

**Explosion Limits, Lower:** Not available.

**Upper:** Not available.

**NFPA Rating:** (estimated) Health: 2; Flammability: 1; Instability: 0

### Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing

precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

## Section 7 - Handling and Storage

**Handling:** Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store at room temperature.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

### Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Lauryl polyethylene glycol ether	none listed	none listed	none listed
Water	none listed	none listed	none listed

**OSHA Vacated PELs:** Lauryl polyethylene glycol ether: No OSHA Vacated PELs are listed for this chemical. Water: No OSHA Vacated PELs are listed for this chemical.

### Personal Protective Equipment

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## Section 9 - Physical and Chemical Properties

**Physical State:** Solid

**Appearance:** white, waxy solid

**Odor:** Not available.

**pH:** Not available.

**Vapor Pressure:** < 1 mm Hg @ 20 deg

**Vapor Density:** Not available.

**Evaporation Rate:** Not available.

**Viscosity:** Not available.

**Boiling Point:** 100 deg C @ 760mm Hg

**Freezing/Melting Point:** 40 - 42 deg C

**Decomposition Temperature:** Not available.

**Solubility:** mineral oil and vegetable oils

**Specific Gravity/Density:** Not available.

**Molecular Formula:** C<sub>58</sub>H<sub>118</sub>O<sub>24</sub>

**Molecular Weight:** 1199.56

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable at room temperature in closed containers under normal storage and handling conditions.

**Conditions to Avoid:** Excess heat.

**Incompatibilities with Other Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide.

**Hazardous Polymerization:** Has not been reported.

## Section 11 - Toxicological Information

### RTECS#:

**CAS#** 9002-92-0: JR5960000; JR5970000; JR5990000; MD0875000

**CAS#** 7732-18-5: ZC0110000

### LD50/LC50:

CAS# 9002-92-0:

Draize test, rabbit, eye: 10 mg;

Draize test, rabbit, eye: 100 mg;

Draize test, rabbit, eye: 750 ug/24H Severe;

Draize test, rabbit, skin: 100 mg;

Draize test, rabbit, skin: 500 mg/24H Mild;

Draize test, rabbit, skin: 75 mg/24H Mild;

Draize test, rabbit, skin: 500 mg/24H Moderate;

Oral, mouse: LD50 = 4940 mg/kg;

Oral, mouse: LD50 = 1170 mg/kg;

Oral, mouse: LD50 = 3500 mg/kg;

Oral, mouse: LD50 = 1170 mg/kg;

Oral, rat: LD50 = 8600 mg/kg;  
Oral, rat: LD50 = 4150 mg/kg;  
Oral, rat: LD50  
CAS# 7732-18-5:  
Oral, rat: LD50 = >90 mL/kg;

**Carcinogenicity:**

CAS# 9002-92-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.  
CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Epidemiology:** No information found

**Teratogenicity:** No information found

**Reproductive Effects:** No information found

**Mutagenicity:** See actual entry in RTECS for complete information.

**Neurotoxicity:** See actual entry in RTECS for complete information.

**Other Studies:**

## Section 12 - Ecological Information

**Ecotoxicity:** No data available. No information available.

**Environmental:** No information found.

**Physical:** No information found.

**Other:** No information available.

## Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

## Section 14 - Transport Information

	US DOT	Canada TDG
<b>Shipping Name:</b>	Not regulated as a hazardous material	No information available.
<b>Hazard Class:</b>		
<b>UN Number:</b>		
<b>Packing Group:</b>		

## Section 15 - Regulatory Information

### US FEDERAL

#### TSCA

CAS# 9002-92-0 is listed on the TSCA inventory.

CAS# 7732-18-5 is listed on the TSCA inventory.

#### Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

#### Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

#### Section 12b

None of the chemicals are listed under TSCA Section 12b.

#### TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

#### CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

#### SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

**Section 313** No chemicals are reportable under Section 313.

#### Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

#### Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

#### OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

#### STATE

CAS# 9002-92-0 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

#### California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

**European/International Regulations**  
**European Labeling in Accordance with EC Directives**

**Hazard Symbols:**

XN

**Risk Phrases:**

R 22 Harmful if swallowed.  
R 36 Irritating to eyes.

**Safety Phrases:**

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**WGK (Water Danger/Protection)**

CAS# 9002-92-0: 2  
CAS# 7732-18-5: No information available.

**Canada - DSL/NDSL**

CAS# 9002-92-0 is listed on Canada's DSL List.  
CAS# 7732-18-5 is listed on Canada's DSL List.

**Canada - WHMIS**

This product has a WHMIS classification of D2B.  
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

**Canadian Ingredient Disclosure List**

CAS# 9002-92-0 is listed on the Canadian Ingredient Disclosure List.

**Section 16 - Additional Information**

**MSDS Creation Date:** 4/27/1999

**Revision #3 Date:** 3/04/2004

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.*