

Material Safety Data Sheet

Brij 30

ACC# 77850

Section 1 - Chemical Product and Company Identification

MSDS Name: Brij 30

Catalog Numbers: AC216720000, AC216720050, AC216725000

Synonyms: Polyoxyethylene(4) lauryl ether; Dodecyl tetraethylene glycol ether; Tetraethylene glycol dodecyl ether; Tetraethylene glycol lauryl ether; Tetraoxyethylene glycol monododecyl ether.

Company Identification:

Acros Organics N.V.

One Reagent Lane

Fair Lawn, NJ 07410

For information in North America, call: 800-ACROS-01

For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
5274-68-0	Polyoxyethylene(4) lauryl ether	99	226-097-1
9002-92-0	Lauryl polyethylene glycol ether	99	unlisted
7732-18-5	Water	< 1	231-791-2

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: colorless to light yellow liquid.

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 a t 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: 320 deg C (608.00 deg F)

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
Polyoxyethylene(4) lauryl ether	none listed	none listed	none listed
Lauryl polyethylene glycol ether	none listed	none listed	none listed
Water	none listed	none listed	none listed

OSHA Vacated PELs: Polyoxyethylene(4) lauryl ether: No OSHA Vacated PELs are listed for this chemical. 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 chemical splash goggles.

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: Liquid

Appearance: colorless to light yellow

Odor: pleasant odor

pH: Not available.

Vapor Pressure: Not available.

Vapor Density: 12.5

Evaporation Rate: Not available.

Viscosity: 30 mPas 25 deg C

Boiling Point: Not available.

Freezing/Melting Point: 14 deg C

Decomposition Temperature: Not available.

Solubility: Miscible.

Specific Gravity/Density: .9500g/cm³

Molecular Formula: C₂₀H₄₂O₅

Molecular Weight: 362.54

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# 5274-68-0 unlisted.

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

CAS# 7732-18-5: ZC0110000

LD50/LC50:

Not available.

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# 5274-68-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

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
Shipping Name:	Not regulated as a hazardous material	No information available.
Hazard Class:		
UN Number:		
Packing Group:		

Section 15 - Regulatory Information

US FEDERAL

TSCA

CAS# 5274-68-0 is listed on the TSCA inventory.

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# 5274-68-0 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

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# 5274-68-0: No information available.

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.

CAS# 5274-68-0 is listed on Canada's NDSL 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: 8/06/1997

Revision #5 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.