

## Octoxynol-12

### Material Safety Data Sheet

(updated 7-11-2014)

#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Octoxynol-12

**INCI Name:** Octoxynol-12

**CAS Number:** see below

**Chemical Name:**

**Company Name:** MakingCosmetics Inc.

**Company Address:** 35318 SE Center Street, Snoqualmie WA 98065, Phone 425-292-9502

Chemical Name or Synonym: Polyethylene glycol oxyphenyl ether

EINECS No: OECD Polymer

Molecular Formula:  $(C_2H_4O)_n C_{14}H_{22}O$ , n-12.5

#### Section 2 - Composition/Information on Ingredients

Component	CAS Reg Number	OSHA Hazard	Percentage
Polyethylene glycol oxyphenyl ether	9036-19-5 (9002-93-1)	Y	> 99.5
Water	7732-18-5	N	< 0.5
Poly (Ethylene oxide)	25322-68-3	Y	< 0.0025
Dioxane	123-91-1	Y	< 0.0020

#### Section 3 - Hazards Identification

A. Emergency Overview:	Physical Appearance and Odor:	Opaque viscous liquid, aromatic odor
Warning Statement:	Warning:	Severe Eye Irritant.
B. Potential Health Effects:	Acute Eye:	Severe irritant. Can cause redness, irritation, tissue destruction.
	Acute Skin:	Low acute dermal toxicity. Slightly irritating. May cause redness, irritation, on prolonged contact.
	Acute Inhalation:	Inhalation not likely. Mists may cause upper respiratory tract irritation.
	Acute Ingestion:	Harmful if ingested. Can cause nausea, diarrhea, abdominal cramps.
	Chronic Effects:	This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

#### Section 4 - First Aid Measures

##### First Aid Measures For Accidental:

Eye Exposure:	Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.
Skin Exposure:	In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. See medical attention if irritation develops or persists. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use..
Inhalation:	Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.
Ingestion:	If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.
Medical Conditions Possibly Aggravated by Exposure:	Skin contact may aggravate existing skin disease.
Notes to Physician:	All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote available.

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**Section 5 - Fire Fighting Measures**


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Fire Hazard Data:	Flash Point:>93 C (200 F).
Flammability Class:	Will Burn
Method Used:	Pensky-Martens Closed Cup.
Flammability Limits (vol/vol%):	Lower: No Data Upper: No Data
Extinguishing Media:	Recommended: Dry Chemical, Carbon Dioxide, Foam
Special Fire Fighting Procedures:	Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.
Unusual Fire and Explosion Hazards:	Product will burn under fire conditions.
Hazardous Decomposition Materials (Under Fire Conditions):	Smoke, Oxides of Carbon.

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**Section 6 - Accidental Release Measures**


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Evacuation Procedures and Safety:	Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.
Containment of Spill:	Follow procedure described below under Cleanup and Disposal of Spill.

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**Section 6 - Accidental Release Measures Continued...**


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Cleanup and Disposal of Spill:	Absorb with an inert absorbent. Shovel up into an appropriate closed container (see Section 7: Handling and Storage).
Environmental and Regulatory Reporting:	Do not flush to drain. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

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**Section 7 - Handling and Storage**


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Minimum/Maximum Storage Temperatures:	15 to 49 C (59 to 120 F)
Handling:	Avoid breathing vapors and mists. Avoid direct or prolonged contact with skin and eyes. Use non-sparking tools and grounded/bonded equipment and containers when transferring. In cold weather, this product may stratify and freeze. This does not damage the product. If freezing occurs, thaw and remix before using. Frozen material may be thawed in a warm room. Avoid localized overheating. Vent drums while heating. Mix thoroughly to assure homogeneity. Ethylene oxide may collect in container head space. Although concentrations are expected to remain below established exposure limits, provide adequate ventilation when accessing or working with open containers and tanks.
Storage:	Store in tightly closed containers. Store in an area that is dry, well-ventilated, away from ignition sources, away from incompatible materials (see Section 10. Stability and Reactivity).

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**Section 8 - Exposure Controls/Personal Protection**


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Introductory Remarks:	These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Disposal Considerations.
Section 13: Exposure Guidelines:	No exposure limits were found for this product or any of its ingredients.
Engineering Controls:	Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: general area dilution/exhaust ventilation.
Respiratory Protection:	When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

Eye/Face Protection:	<p>For reasonably foreseeable industrial end uses of this material respiratory protection should not be necessary.</p> <p>Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.</p> <p>Eye contact should be prevented through use of chemical safety glasses with side shields or splash proof goggles. An emergency eye wash must be readily accessible to the work area.</p>
Skin Protection:	<p>Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.</p>
Work Practice Controls:	<p>Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:</p> <ol style="list-style-type: none"> <li>(1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.</li> <li>(2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.</li> <li>(3) Wash exposed skin promptly to remove accidental splashes of contact with this material.</li> </ol>

## Section 9 - Physical and Chemical Properties

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product Information Phone Number in Section 1 for its exact specifications.

Physical Appearance:	Opaque Viscous Liquid
Odor:	Aromatic Odor
pH:	6 to 8 at 10 wt/wt%.
Specific Gravity:	1.07 at 25 C (77 F).
Water Solubility:	Soluble
Melting Point Range:	Not Available
Freezing Point Range:	13 C (55 F)
Boiling Point Range:	> 200 C (392 F) at 760 mmHg
Vapor Pressure:	0.01 mmHg at 25 C (77 f)
Vapor Density:	Not Available
Percent Volatiles by Volume:	< 0.5
Viscosity:	Viscosity (centipoises): 14 to 16 cps at 100 C (212 F) Viscosity (centipoises): 70 to 76 cps at 50 C (122 F)

## Section 10 - Stability and Reactivity

Chemical Stability:	This material is stable under normal handling and storage conditions described in Section 7.	
Conditions to be Avoided:	Heat, Open Flame, Spark.	
Material/Chemicals to be Avoided:	Strong oxidizing agents. Strong reducing agents.	
The Following Hazardous Decomposition Might Be Expected:	Smoke. Oxides of Carbon.	
Hazardous Polymerization Will Not Occur.	Avoid The Following To Inhibit Hazardous Polymerization:	Not Applicable.

## Section 11 - Toxicological Information

Acute Eye Irritation:	Toxicological Information and Interpretation Eye: Eye irritation, rabbit. Severely irritating
Acute Skin Irritation:	Toxicological Information and Interpretation Skin: Skin irritation, rabbit. Slightly irritating.
Acute Dermal Toxicity:	No test data found for product.
Acute Respiratory Irritation:	No test data found for product.
Acute Inhalation Toxicity:	No test data found for product.
Acute Oral Toxicity:	Toxicological Information and Interpretation
LD50 - lethal dose 50% of test species,	985 mg/kg, rat.



Chronic Toxicity: This product does not contain any substances that are considered by OSHA, NTP, IARA or ACGIH to be "probable" or "suspected" human carcinogens.

No additional test data found for product.

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Section 12 - Ecological Information

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Eco-toxicological Information: No data found for product.

Chemical Fate Information: No data found for product.

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Section 13 - Disposal Considerations

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Waste Disposal Method: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

Container Handling and Disposal: Any containers or equipment used should be decontaminated immediately after use.

EPA Hazardous Waste: No

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Section 14 - Transportation Information

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Transportation Status: The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

U.S. Dept. of Transportation  
Shipping Name: Not Regulated

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Section 15 - Regulatory Information

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Inventory	Status
United States (TSCA):	Y
Canada (DSL):	Y
Europe (EINECS/ELINCS):	P
Australia (AICS):	Y
Japan (MITI):	Y
South Korea (KECL):	Y

Y = All ingredients are on the inventory.

E = All ingredients are on the inventory or exempt from listing.

P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

**Federal Regulations**

Inventory Issues: All functional components of this product are listed on the TSCA Inventory.

**SARA Title III Hazard Classes:**

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



Other Federal Regulations:

FDA Status: This product meets the compositional requirements of:
21 CFR 175.105 Adhesives
21 CFR 176.210 Defoaming Agents used in.....of Paper & Paperboard.
21 CFR 178.3400 Emulsifiers and/or Surface Active Agents.

State Regulations: This product contains the following components that are regulated under California Proposition 65:

Table with 4 columns: Ingredient Name, Cancer List, Reprod. List, No Sign. Risk Lvl (ug/day) California, Risk Lvl (ug/day) RPI. Rows show Y, Y, 2, ND and Y, N, 30, ND.

Section 16 - Other Information

National Fire Protection Association Hazard Ratings – NFPA( R ):

Table with 4 columns: Rating, Hazard Type, Significance, Severity. Rows: 3 Health Hazard Rating - Serious, 1 Flammability Rating - Slight, 0 Instability Rating - Minimal.

National Paint & Coating Hazardous Materials Identification System—HMIS (R):

Table with 4 columns: Rating, Hazard Type, Significance, Severity. Rows: 3 Health Hazard Rating - Serious, 1 Flammability Rating - Slight, 0 Reactivity Rating - Minimal.

Reason for Revisions: Change and/or addition made to Section 2, Section 15.

Key Legend Information:

- ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
TLV - Threshold Limit Value
PEL - Permissible Exposure Limit
TWA - Time Weighted Average
STEL - Short Term Exposure Limit
NTP - National Toxicology Program
IARC - International agency for Research on Cancer
ND - Not Determined

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