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CND-N-014

MSDS Revision Date 11/01/2002

1. PRODUCT IDENTIFICATION						
1.1	Product Name:					
	MASSAGE SILK					
1.2	Chemical Name:					
	BUTYLENE GYCOL SOLUTION					
1.3	Synonyms:					
1.4	Trade Names:					
1.5	Product Use:					
	COSMETIC USE ONLY					
1.6	Manufacturer's Name:					
	CREATIVE NAIL DESIGN, INC.					
1.7	Manufacturer's Address:					
	1125 JOSHUA WAY, VISTA, CA 92083					
1.8	Emergency Phone:					
	ROCKY MOUNTAIN POISON CONTROL CENTER: 1-303-623-5716					
1.9	Business Phone:					
	1-800-833-NAIL (6245)					

2. COMPOSITION & INGREDIENT INFORMATION

			EXPOSURE LIMITS IN AIR					
			AC	GIH		OSHA		OTHER
CHEMICAL NAME(S)	CAS NO.	%	TLV	STEL	PEL	STEL	IDLH	
			ppm	ppm	ppm	ppm	ppm	
BUTYLENE GLYCOL	107-88-0	50 - 60	NE	NE	NE	NE	NE	
PEG-8	25322-68-3	< 40.0	NE	NE	NE	NE	NE	
FRAGRANCE	NA	< 2.0	NE	NE	NE	NE	NE	
OLEYL ALCOHOL	143-28-2	< 1.0	NE	NE	NE	NE	NE	
		1		1		1	1	

NA = Not Available; ND = Not Determined; NE = Not Established; C = Ceiling Limit; See Section 16 for Additional Definitions of Terms Used NOTE: all WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-1998 format.



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Pre	Prepared to OSHA, ACC, ANSI and WHMIS Standards MSDS Revision Date 11/01/2002							
3. HAZARD IDENTIFICATION								
3.1	Hazard Identification	on:						
3.2	Routes of Entry:		Inhalation:	NO	Absorption:	NO	Ingestion:	YES
3.3	Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea. SKIN & EYES: Slightly irritating to the eyes. May be irritating to skin in some sensitive individuals, especially after prolonged contact. INHALATION: Inhalation is unlikely, however, vapors of this product may be slightly irritating to some sensitive individuals.							
3.4	Symptoms of Overexposure: Symptoms of overexposure may include redness, itching, and irritation.							
3.5	Acute Health Effect Redness, itchi		the site of contact for	some ser	sitive individuals.			
3.6	Redness, itching, and irritation of skin at the site of contact for some sensitive individuals. Chronic Health Effects: No chronic health effects are known, although symptoms and discomfort may occur for several days following overexposure following ingestion.							
3.7	Target Organs:							
	Eyes, skin and	respiratory system.						
			4. FIRST A	AID ME	ASURES			
4.1	First Aid: INGESTION: If ingested, do not induce vomiting. Drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer plenty of water or milk. Never give water or milk to an unconscious person. Contact Rocky Mountain Poison Control at 1-303-623-5716 or the nearest Poison Control Center or local emergency number. Provide an estimate of the time and amount of the substance that was swallowed.							
	EYES: Immediately flush eyes with plenty of lukewarm water for an extended time, not less than fifteen minutes. Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing by separating the eyelid(s) with fingers and roll eyes in a circular motion. If problem persists, seek medical attention.							
	SKIN: If redness, dryness or other signs of irritation to the skin develop, wash affected skin areas with plenty of warm water and soap. Remove contaminated clothing and wash thoroughly before reuse. If irritation persists, consult a physician.							
	INHALATION: Remove victim to fresh air at once. If breathing has stopped, administer artificial respiration. Seek immediate medical attention.							
4.2		s Aggravated by Exposure:		•	to all or a to t	HEALTH		1
	Individuals with pre-existing skin disorders, eye problems, or impaired respiratory function may be more susceptible to the effects. None known.			FLAMMA	BILITY	1		
						REACTIV	ITY	0
					,	PROTECT	IVE EQUIPMENT	



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5. FIREFIGHTING MEASURES Flashpoint & Method: Non-flammable. 5.2 Autoignition Temperature: NA Flammability Limits: 5.3 Lower Explosive Limit (LEL): NA NA Upper Explosive Limit (UEL): Fire & Explosion Hazards: RED = FLAMMABILITY This product is non-flammable. BLUE = HEALTH YELLOW = REACTIVITY 5.5 Extinguishing Methods: WHITE = SPECIAL MEASURES Water, Foam, CO₂ and Dry Chemical 0 0 = NO HAZARD 5.6 Firefighting Procedures: 1 = MINIMAL HAZARD NA. 2= SLIGHT HA7ARD 3 = MODERATE HAZARD 4 = SEVERE HAZARD

6. ACCIDENTAL RELEASE MEASURES

6.1 Spills

Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment.

For small spills (e.g., <1 gallon) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.

For spills ≥ 1 gallon, deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

7. HANDLING & STORAGE INFORMATION

7.1 Work & Hygiene Practices:

Avoid eye contact. Wash all affected areas thoroughly with soap and warm water after use.

7.2 Storage & Handling:

Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat, open flames, sparks, and other possible sources of ignition. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface.

7.3 Special Precautions:

Spilled material may present a slipping hazard if left unattended. Clean all spills promptly.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Ventilation & Engineering Controls:

General mechanical (e.g., local exhaust ventilation, fans) or natural ventilation is sufficient when this product is in use.

8.2 Respiratory Protection:

If handled at elevated temperature or under mist conditions, NIOSH/MSHA approved respiratory protection equipment should be used. None required if used in a well-ventilated area.

8.3 Eye Protection

Avoid eye contact. None required under normal conditions of use. However, may cause irritation in some sensitive individuals.

When handling large quantities (e.g., ≥ 1 gallon), safety glasses with side shields should be used.

8.4 Hand Protection:

None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals.

When handling large quantities (e.g., ≥ 1 gallon), wear rubber or plastic impervious gloves.

8.5 Body Protection:

No apron required when handling small quantities.

When handling large quantities (e.g., \geq 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.



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110	pared to OSHA, ACC, AN	
		9. PHYSICAL & CHEMICAL PROPERTIES
9.1	Density:	ND
9.2	Boiling Point:	ND
9.3	Melting Point:	ND
9.4	Evaporation Rate:	ND
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	ND
9.7	Appearance & Color:	Colorless, viscous hygroscopic liquid with a sweet, flowery odor.
9.8	Odor Threshold:	ND
9.9	Solubility:	Slightly soluble
9.10	рН	ND ND
9.11	Viscosity:	ND ND
9.12	Other Information:	NA NA
		10. STABILITY & REACTIVITY
10.1	Stability:	This product is stable.
10.2	Hazardous Decomposition Products:	Oxides of carbon and nitrogen.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks, high heat and direct sunlight.
10.4	Cortamons to 7 (void.	Open names, sparks, nigh near and direct somight.
10.5	Incompatible Substances:	Name Improve
	Incompatible Substances: Toxicity Data:	11. TOXICOLOGICAL INFORMATION This product has not been tested on animals to obtain toxicological data. There are toxicology data
10.5	Incompatible Substances: Toxicity Data:	
11.1		11. TOXICOLOGICAL INFORMATION This product has not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. These data have not
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111.1 111.2 111.3 111.4 111.5 111.6 111.7 111.8	Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability:	This product has not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. These data have not been presented in this document. See Section 3.5 See Section 3.6 NE None This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to produce teratogenic effects in humans. This product is not reported to produce teratogenic effects in humans. See Section 3.3 NE Treat symptomatically. 12. ECOLOGICAL INFORMATION This product will slowly volatile from soil. Components of this product will slowly decompose into
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11.1 11.2 11.3 11.4 11.5	Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability: Effects on Plants & Animals: Effects on Aquatic Life:	This product has not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. These data have not been presented in this document. See Section 3.5 See Section 3.6 NE None This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to produce teratogenic effects in humans. This product is not reported to produce teratogenic effects in humans. This product is not reported to produce reproductive effects in humans. See Section 3.3 NE Treat symptomatically. 12. ECOLOGICAL INFORMATION This product will slowly volatile from soil. Components of this product will slowly decompose into organic compounds. There is no specific data available for this product.



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Pre	pared to OSHA, ACC, ANSI and W	'HMIS Standards	MSDS Revision Date 11/01/2002
	14	. TRANSPORTATION IN	ORMATION
	pasic description (proper shipping name, titional descriptive information may be req		r, packing group) is shown for each mode of transportation. G and the CTDGR.
14.1	49 CFR (GND):		
14.2	NOT REGULATED IATA (AIR):		
14.2	NOT REGULATED		
14.3	IMDG (OCN): NOT REGULATED		
14.4	TDGR (Canadian GND): NOT REGULATED		
	NOT REGULATED		I
		15. REGULATORY INFO	RMATION
15.1	SARA Reporting Requirements:		
	Not applicable.		
15.2	SARA Threshold Planning Quantity:		
	Not applicable.		
15.3	TSCA Inventory Status:		and all and the arranged from the content of the
15.4	CERCLA Reportable Quantity (RQ):	are listed on the ISCA inventory or	are otherwise exempted from inventory status.
13.4	Not applicable.		
15.5	Other Federal Requirements:		
15.6	Other Canadian Regulations:		
.0.0	This product has been classified accord MSDS contains all of the information requ		CPR and the
15.7	State Regulatory Information:		<u>'</u>
	NA		
		1/ OTHER INFORM	ATION
		16. OTHER INFORM	AIION
16.1	Other Information:	- If control coorse fisch care	have uphly with supplies weter for at least 15 minutes. Socie
		ns of adverse reaction occur, dis	horoughly with running water for at least 15 minutes. Seek continue use immediately. If irritation persists, seek medical
16.2	Terms & Definitions:		
	See page 6 of this MSDS.		
16.3	Disclaimer:		
			d Communication Standard, 29 CFR §1910.1200. Other
			duct. To the best of ShipMate's & Creative Nail Design's of this date; however, accuracy, suitability or completeness
			implied, are provided. The information contained herein
			with other materials, all component properties must be
17.4	considered. Data may be changed from Prepared for:	n time to time. Be sure to consult	the latest edition.
16.4	Creative Nail Design, Inc.		
	1125 Joshua Way	Contraction of the Contraction o	
	Vista, CA 92083	CREATIVE	
	800-833-NAIL (6245) phone 760-599-4005 fax	CREATIVE	
	http://www.creativenaildesign.com/	AAIL DESIGN	
16.5	Prepared by:	<u> </u>	
	ShipMate, Inc.	(China Mata)	
	18436 Hawthorne Blvd., Suite 201	Snipiviate	
	Torrance, CA 90504 310-370-3600 phone	Dangerous Goods Training & Consulting	
	310-370-3600 phone 310-370-5700 fax		
	http://www.shipmate.com/		



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DEFINITIONS OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these that are commonly used include the following:

CAS #: This is the Chemical Abstract Service Number that uniquely identifies each constituent.

EXPOSURE LIMITS IN AIR:

ACGIH - The American Conference on Governmental Industrial Hygienists, a professional association that establishes exposure limits.

TLV – Threshold Limit Value – an airborne concentration of a substance that represents conditions under which it is generally believed that all workers may be repeatedly exposed without adverse effect. The duration must be considered, including the 8-hour Time Weighted Average (TWA), the 15-minute Short Term Exposure Limit, and the instantaneous Ceiling Level (C). Skin absorption effect must also be considered.

OSHA – U.S. Occupational Safety and Health Administration

PEL – Permissible Exposure Limit – This exposure value means exactly the same as TLV, except that it is enforceable by OSHA. The OSHA Permissible Exposure Limits are based in the 1989 PELs and the June 1993 Air Contaminants Rule (Federal Register: 58: 35338-35351 and 58: 40191). Both the current PELs and the vacated PELs are indicated. The phrase "Vacated 1989 PEL," is placed next to the PEL which was vacated by Court Order.

IDLH – Immediately Dangerous to Life and Health – This level represents a concentration from which one can escape within 30-minutes without suffering escape-preventing or permanent injury. The **DFG** – **MAK** is the Republic of Germany's Maximum Exposure Level, similar to the U.S. PEL. NIOSH is the National Institute of Occupational Safety and Health, which is the research arm of the U.S. Occupational Safety and Health Administration (**OSHA**). NIOSH issues exposure guidelines called Recommended Exposure Levels (**RELs**) When no exposure guidelines are established, an entry of **NE** is made for reference.

FIRST AID MEASURES:

CPR: Cardiopulmonary resuscitation. Method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

HAZARD RATINGS:

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: This rating system was developed by the National Paint and Coating Association and has been adopted by industry to identify the degree of chemical hazards. Health Hazard: 0 (minimal acute or chronic exposure hazard); 1 (slight acute or chronic exposure hazard); 2 (moderate acute or significant chronic exposure hazard); 3 (severe acute exposure hazard; onetime overexposure can result in permanent injury and may be fatal); 4 (extreme acute exposure hazard; onetime overexposure can be fatal). Flammability hazard: 0 (minimal hazard); 1 (materials that require substantial pre-heating before burning; 2 (combustible liquids or solids; liquids with a flashpoint of 38-93C [100-200F]); 3 (Class 1B and 1C flammable liquids with flash points below 38C [100F]; 4 (Class 1A flammable liquids with flash points below 23C [73F] and boiling points below 38C [100F]. Reactivity Hazard: 0 (normally stable); 1 (materials that can become unstable at elevated temperatures or which can react slightly with water); 2 (materials that are unstable but do not detonate when initiated or which can react violently with water); 3 (materials that can detonate when initiated or which can react explosively with water); 4 (materials that can detonate at normal temperatures or pressures). PPE Rating A: Eye protection is required for routine chemical use.

NATIONAL FIRE PROTECTION ASSOCIATION: <u>Health Hazard</u>: 0 (material that on exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials); 1 (materials that on exposure under fire conditions could cause irritation or minor residual injury); 2 (materials that on intense or continued exposure under fire conditions could cause temporary incapacitation or possible residual injury); 3 (materials that can on short exposure could cause serious temporary or residual injury); 4 (material that under very short exposure could cause death or major residual injury).

<u>Flammability Hazard and Reactivity Hazard</u>: Refer to definitions for "Hazardous Materials Identification System."

FLAMMABILITY LIMITS IN AIR:

Much of the information related to fire and explosion is derived from the National Fire Protection Association (NFPA). Flash Point – minimum temperature at which a liquid gives off sufficient vapors to form an ignitable mixture with air. Autoignition Temperature: The minimum temperature required to initiate combustion in air with no other source of ignition. LEL—the lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source. UEL—the highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.

TOXICOLOGICAL INFORMATION:

Human and Animal Toxicology: Possible health hazards as derived from human data, animal studies, or from the results of studies with similar compounds are presented. Definitions of some terms use dint his section are: LD₅₀ – Lethal Dose (solids & liquids) which kills 50% of the exposed animals; LC50 – Lethal concentration (gases) which kills 50% of the exposed animals; ppm - concentration expressed in parts of material per million parts of air or water; mg/m³- concentration expressed in weight of substance per volume of air; mg/kg quantity of material, by weight, administered to a test subject, based on their body weight in kg. Other measures of toxicity include \mathbf{TD}_{lo} , the lowest dose to cause a symptom and **TCLo** the lowest concentration to cause a symptom; \textbf{ID}_{lo} , \textbf{LD}_{lo} , and \textbf{LD}_{o} , or IC, \textbf{IC}_{o} , \textbf{LC}_{lo} , and \textbf{LC}_{o} , the lowest dose (or concentration) to cause lethal or toxic effects. Cancer Information: The sources are: IARC - the International Agency for Research on Cancer; NTP - the National Toxicology Program, RTECS - the Registry of Toxic Effects of Chemical Substances, OSHA and CAL/OSHA. IARC and NTP rate chemicals on a scale of decreasing potential to cause human cancer with rankings from 1 to 4. Sub rankings (2A, 2B, etc.) are also used. Other Information: BEI - ACGIH Biological Exposure Indices, represent the levels of determinants which are most likely to be observed in specimens collected from a health worker who has been exposed to chemical to the same extent as a worker with inhalation exposure to the TLV. Ecological Information: EC is the effect concentration in water. BCF - Bioconcentration Factor, which is used to determine if a substance will concentrate in life forms that consume contaminated plant or animal matter. TL_m - median threshold limit; Coefficient of Oil/Water Distribution is represented by log Kow or log Koc and is used to assess a substance's behavior in the environment.

REGULATORY INFORMATION:

U.S. and CANADA: This section explains the impact of various laws and regulation of the material. **EPA** is the U.S. Environmental Protection Agency. **WHMIS** is the Canadian Workplace Hazardous Material Information System. **DOT** and **TC** are the U.S. Department of Transportation and Transport Canada, respectively. Superfund Amendments and Reauthorization Act (**SARA**); the Canadian Domestic/Non-Domestic Substance List (**DSL/NDSL**); the U.S. Toxic Substance Control Act (**TSCA**); Marine Pollutant status according to the DOT; the Comprehensive Environmental Response, Compensation, and Liability Act (**CERCLA or Superfund**); and various state regulations. This section also includes information on the precautionary warnings that appear on the material's package label.

EUROPEAN and INTERNATIONAL: EC is the European Community, formerly known as the EEC, European Economic Community). **EINECS:** This is the European Inventory of Now-Existing Chemical Substances. **AICS** is the Australian Inventory of Chemical Substances. **MITI** is the Japanese Minister of International Trade and Industry. **ECL** is the Korean Existing Chemicals List. **IMO** is the International Maritime Organization and **IATA** is the International Air Transport Association. The **ARD** is the European Agreement Concerning the International Carriage of Dangerous Goods by Road and the **RID** are the International Regulations Concerning the Carriage of Dangerous Goods by Rail.

