

1. PRODUCT & COMPANY IDENTIFICATION

1.1	Product Name:	BURITILISS BRAZILIAN KERATIN TREATMENT
1.2	Chemical Name:	NA
1.3	Synonyms:	NA
1.4	Trade Names:	Buritoliss Brazilian Keratin Treatment
1.5	Product Uses & Restrictions:	Professional Use Only
1.6	Distributor's Name:	BR Diversity, Inc
1.7	Distributor's Address:	P.O. Box 5462, New York, NY. 10185 USA
1.8	Emergency Phone:	CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 721933)
1.9	Business Phone / Fax:	+1 (917) 863-3560

2. HAZARDS IDENTIFICATION

2.1	Hazard Identification:	<p>This product is classified as a HAZARDOUS SUBSTANCE but NOT as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). DANGER! HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE DAMAGE. MAY CAUSE RESPIRATORY IRRITATION. SUSPECTED OF CAUSING CANCER.</p> <p><u>Classification:</u> Acute Tox. Oral 4; Skin Irrit. 1B; Skin Sens. 1; Eye Dam. 1; STOT SE 3; Carc. 2</p> <p><u>Hazard Statements (H):</u> H302 – Harmful if swallowed. H315 – Causes skin irritation. H317 – May cause an allergic skin reaction. H318 – Causes serious eye damage. H335 – May cause respiratory irritation. H351 – Suspected of causing cancer.</p> <p><u>Precautionary Statements (P):</u> P201 – Obtain special instructions before use. P202 – Do not handle until all safety precautions have been read and understood. P261 – Avoid breathing fume/gas/mist/vapor. P264 – Wash with soap and water thoroughly after handling. P270 – Do not eat, drink or smoke when using this product. P271 – Use only in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 – Wear protective gloves/protective clothing/eye protection. P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P330 - Rinse mouth. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P332+P313 - If skin irritation occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash before reuse. P321 – Specific treatment see this container label or SDS. P310 - Immediately call a POISON CENTER or doctor/physician. P312 - Call a POISON CENTER or doctor/physician if you feel unwell. P308+P313 - IF exposed or concerned: Get medical advice/attention. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 – Store locked up. P501 – Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF). For external use only. Use only as directed. KEEP OUT OF REACH OF CHILDREN.</p>	
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3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m ³)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
WATER (AQUA/EAU)	7732-18-5	ZC0110000	231-791-2	NA	NA	NA	NF	NF	NF	NA	NA	NA		
CETEARYL ALCOHOL	8005-44-5	NA	267-008-6	NA	NA	NA	NF	NF	NF	NA	NA	NA		
CETRIMONIUM CHLORIDE	112-02-7	NA	203-928-6	NA	NA	NA	NF	NF	NF	NA	NA	NA		
PEG-90M	25322-68-3	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA		
PARAFFINUM LIQUIDUM (MINERAL OIL)	8012-95-1	PY8030000	232-384-2	NA	5	10	NF	5	NF	5	10	2500	MIST	
	Asp. Tox. 1; H304													
CETEARETH-20	68439-489-6	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA		
* METHYLENE GLYCOL	463-57-0	TY2000000	207-339-5	NA	NA	0.3	1.2	2	2.5	5	2	20	FORMALDEHYDE	
	Acute Tox. Oral 4; Skin Irrit. 1B; Skin Sens. 1; Eye Dam. 1; Carc. 2; H302, H315, H317, H318, H335, H351													
BUTYROSPERMUM PARKII (SHEA BUTTER)	41035-07-8	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA		
	Eye Irrit. 2; H319													
MAURITIA FLEXUOSA FRUIT OIL	NA	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA		
PARFUM (FRAGRANCE)	NA	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA		
ALPHA-ISOMETHYL IONONE	127-51-5	NA	204-846-3	NA	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN	
	Skin Irrit. 2, Sin Sens. 1B, Eye Irrit. 2, Aquatic Chronic 2; H315, H317, H319, H411													

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m ³)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
BENZYL SALICYLATE	118-58-1	VO1750000	204-262-9	NA	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN	
Skin Sens. 1; Aquatic Chronic 2; H303, H317, H319, H371, H401														
BUTYLPHENYL METHYLPROPIONAL	80-54-6	MW4895000	201-289-8	NA	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN	
Acute Tox. Oral 4; Skin Irrit. 2; Aquatic acute 2; Aquatic Chronic 2; H302, H315, H319														
CITRAL	5392-40-5	RG5075000	226-394-6	NA	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN	
Skin Irrit. 2, Skin Sens. 1; H315, H317														
CITRONELLOL	106-22-9	RH340000	203-375-0	NA	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN	
Skin Irrit. 2, Skin Sens. 1B, Eye Irrit. 2; H315, H317, H319														
COUMARIN	91-64-5	GN420000	202-086-7	NA	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN	
Acute Tox. Oral 3; Aquatic Acute 3; H301, H402h														
GERANIOL	106-24-1	RG5830000	203-377-1	NA	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN	
Skin Irrit. 2, Skin Sens. 1, Eye Dam. 1; H315, H317, H318														
HEXYL CINNAMAL	101-86-0	GD6560000	202-983-3	NA	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN	
Skin Sens. 1B, Aquatic Chronic 2; H317, H411														
HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	31906-04-4	NA	250-863-4	NA	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN	
Skin Sens. 1, Eye Irrit. 2, Aquatic Chronic 3; H317, H319, H412														
LIMONENE	5989-27-5	GW6360000	227-813-5	NA	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN	
Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H226, H315, H317, H400, H410														
HYDROLYZED KERATIN	69430-36-0	NA	274-001-1	NA	NA	NA	NF	NF	NF	NA	NA	NA		
BURTISS KERAZON PROPRIETARY BLEND	NA	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA		

* Formaldehyde, when dissolved in water forms a -diol called methylene glycol or methane-diol, which has a different CAS number of 463-57-0. Formaldehyde gas and the methylene glycol solution exist in a dynamic and reversible equilibrium, and therefore, the aqueous solution is capable of releasing formaldehyde gas [Winkelman et al. 2002; Oregon OSHA 2010a; Consumer Federation of American 2011]. An Oregon OSHA report concluded that for the purposes of worker protection it is appropriate to refer to both the hydrated and the non-hydrated formaldehyde as formaldehyde [Oregon OSHA 2010a]. In addition, the OSHA formaldehyde standard applies to all occupational exposures to formaldehyde (i.e., formaldehyde gas) its solutions, and other materials that release formaldehyde [29 CFR 1910.1048].¹

Methylene glycol produces gaseous formaldehyde under the intended conditions of use in hair straightening products due to the application of heat by straightening irons and/or blow drying. When methylene glycol/formaldehyde is used in hair straightening products at a concentration of 0.2% formaldehyde equivalent, the amount of gaseous formaldehyde released may exceed 0.1 mg/m³ (0.08 ppm), which is the WHO indoor air quality guideline for short term exposure. Therefore the use of methylene glycol/formaldehyde at 0.2% formaldehyde equivalent is not considered safe in hair straighteners.²

¹ From Health Hazard Evaluation Report 2011-0014-3147 CDC).

² From European Commission SCCS/1483/12 Revision September 18, 2012.


4. FIRST AID MEASURES

4.1	First Aid:	<p>Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p>Eyes: Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.</p> <p>Skin: If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.</p> <p>Inhalation: Remove victim to fresh air at once.</p>
4.2	Effects of Exposure:	<p>Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea.</p> <p>Eyes: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering.</p> <p>Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.</p> <p>Inhalation: Not expected to be irritating to the respiratory system.</p>
4.3	Symptoms of Overexposure:	Overexposure in eyes may cause redness, itching and watering. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.
4.4	Acute Health Effects:	Moderate irritation to eyes. Not expected to be irritating, sensitizing when used as intended. If irritation occurs following intended or prolonged contact it is expected to be mild and transient.
4.5	Chronic Health Effects:	No harmful or chronic health effects are expected to occur from a single accidental ingestion.
4.6	Target Organs:	Eyes, Skin

4. FIRST AID MEASURES – cont'd

4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes and skin).	HEALTH		3
			FLAMMABILITY		1
			PHYSICAL HAZARDS		0
			PROTECTIVE EQUIPMENT		B
			EYES	SKIN	

5. FIREFIGHTING MEASURES

5.1	Fire & Explosion Hazards:	Will not burn, but high heat, may release formaldehyde gas which will increase the health hazards. As a result of combustion and thermal decomposition, oxidation products may form and exposure to such products may result in health and additional fire hazards.	
5.2	Extinguishing Methods:	Water Fog, Foam, Dry Chemical, CO ₂ . Flood with water and use water spray to cool fire-exposed containers and structures.	
5.3	Firefighting Procedures:	As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personnel. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous decomposition products.	

6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	<p>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment.</p> <p>For <u>small spills</u> (e.g., < 1 gallon (3.8 L)) 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.</p> <p>For <u>large spills</u> (e.g., ≥ 1 gallon (3.8 L)), 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.</p>
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7. HANDLING & STORAGE INFORMATION

7.1	Work & Hygiene Practices:	Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. Avoid contact with flammable or combustible materials. Avoid contamination from any source, including metals, dust and organic materials. Keep bulk materials covered. Use chemical goggles if eye contact is possible. Wash unintentional residues with soap and warm water.
7.2	Storage & Handling:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage. To avoid unintentional spraying keep cap in place when not in use.
7.3	Special Precautions:	Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. Do not store metal utensils inside containers of product.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Exposure Limits: ppm (mg/m ³)	ACGIH		NOHSC			OSHA			OTHER
		TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
	CHEMICAL NAME(S)									
	PARAFFINUM LIQUIDUM (MINERAL OIL)	5	10	NF	5	NF	5	10	2500	MIST
	METHYLENE GLYCOL	NA	0.3	1.2	2	2.5	5	2	20	FORMALDEHYDE
	ALPHA-ISOMETHYL IONONE	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
	BENZYL SALICYLATE	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
	BUTYLPHENYL METHYLPROPIONAL	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
	CITRAL	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
	CITRONELLOL	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
	COUMARIN	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
	GERANIOL	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
	HEXYL CINNAMAL	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
	HYDROXYISOHEXYL 3-CYCLO-HEXENE CARBOXALDEHYDE	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
	LIMONENE	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN

8. EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd

8.2	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., open doors and windows, local exhaust ventilation) to maintain work place below STEL and PEL. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station).	
8.3	Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.	
8.4	Eye Protection:	AVOID EYE CONTACT DUE TO IRRITATION POTENTIAL. Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling large quantities (e.g., ≥ 1 gallon (3.8 L)) of this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.	
8.5	Hand Protection:	AVOID SKIN CONTACT DUE TO SENSITIZATION POTENTIAL. Wear impervious resistant gloves when using or handling this product. When handling large quantities of fluid (e.g., ≥ 1 gallon (3.8 L)), wear rubber, nitrile or impervious plastic gloves. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.	
8.6	Body Protection:	However, no special body protection is required under typical circumstances of use and handling. A chemical resistant apron and/or protective clothing are recommended when handling or using this product. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Appearance:	Off-white lotion
9.2	Odor:	Pungent odor
9.3	Odor Threshold:	NA
9.4	pH:	NA
9.5	Melting Point/Freezing Point:	NA
9.6	Initial Boiling Point/Boiling Range:	NA
9.7	Flashpoint:	NA
9.8	Upper/Lower Flammability Limits:	NA
9.9	Vapor Pressure:	NA
9.10	Vapor Density:	NA
9.11	Relative Density:	NA
9.12	Solubility:	Partially soluble in water
9.13	Partition Coefficient (log P _{ow}):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	NA
9.17	Other Information:	NA

10. STABILITY & REACTIVITY

10.1	Stability:	This product is stable when stored in a cool dry location out of direct sunlight and away from other sources of heat.
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO ₂) and sulfur (SO ₂) and formaldehyde gas.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks and high heat direct sunlight and close proximity to incompatible substances.
10.5	Incompatible Substances:	High temperatures, sources of heat and direct sunlight.

11. TOXICOLOGICAL INFORMATION

11.1	Routes of Entry:	Inhalation: YES	Absorption: YES	Ingestion: YES
11.2	Toxicity Data:	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. Specific ingredient information: Methylene Glycol (as Formaldehyde) LD ₅₀ (oral, rat): 42 mg/kg Paraffinum Liquidum (Mineral Oil) LD ₅₀ (oral, rat): 22,000 mg/kg		
11.3	Acute Toxicity:	See section 2.5		
11.4	Chronic Toxicity:	See section 2.6		
11.5	Suspected Carcinogen:	Formaldehyde is listed by OSHA: Carcinogen; NTP: Known Human Carcinogen (NTP 12 th Report – June 10, 2011); IARC: Human Sufficient Evidence, Animal Sufficient Evidence, Group 1; ACGIH: A2 -Suspected Human Carcinogen; EC: Category 3; California: Carcinogen-initial date 01/01/1988. Paraffinum Liquidum (Mineral Oil) is listed as IARC Group 1.		

11. TOXICOLOGICAL INFORMATION – cont'd

11.6	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity:	This product is not reported to produce teratogenic effects in humans.
	Reproductive Toxicity:	This product is not reported to produce reproductive effects in humans.
11.7	Irritancy of Product:	See Section 2.3
11.8	Biological Exposure Indices:	NE
11.9	Physician Recommendations:	Treat symptomatically.

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability:	The components of this product will slowly degrade over time into a variety of organic compounds. Specific environmental data available for the components of this product are available, but are not presented in this Safety Data Sheet.
12.2	Effects on Plants & Animals:	There are no specific data available for this product.
12.3	Effects on Aquatic Life:	There are no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal:	Dispose of in accordance with federal, state and local regulations.
13.2	Special Considerations:	NA

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.


14.1	49 CFR (GND):	NOT REGULATED
14.2	IATA (AIR):	NOT REGULATED
14.3	IMDG (OCN):	NOT REGULATED
14.4	TDGR (Canadian GND):	NOT REGULATED
14.5	ADR/RID (EU):	NOT REGULATED
14.6	SCT (MEXICO):	NOT REGULATED
14.7	ADGR (AUS):	NOT REGULATED

15. REGULATORY INFORMATION



15.1	SARA Reporting Requirements:	This product contains <u>Methylene Glycol (as Formaldehyde)</u> , a substance subject to Section 313 reporting requirements.
15.2	SARA Threshold Planning Quantity:	<u>Formaldehyde</u> : 27.7 kg (500 lbs) TPQ – SARA 302; 6804 kg (15,000 lbs) CAA -112 RQ.
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
15.4	CERCLA Reportable Quantity (RQ):	<u>Formaldehyde</u> : 45.4 kg (100 lbs) RQ (no RQ listed for Methylene Glycol)
15.5	Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR Subchapter G, (Cosmetics). <u>Formaldehyde</u> is listed as a Hazardous Air Pollutant (HAP). This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors. <u>Formaldehyde</u> is listed as a Hazardous Substance under the CWA. <u>Formaldehyde</u> is considered highly hazardous by OSHA.
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the Controlled Product Regulations (CPR) and the Safety Data Sheet contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. WHMIS E, D2B (Corrosive, Other Toxic Effects).
15.7	State Regulatory Information:	<u>Methylene Glycol (Formaldehyde)</u> is found on the following state criteria list: California Proposition 65 (CA), Florida Toxic Substances List (FL), New Jersey Right-to-Know List (NJ), Pennsylvania Right-to-Know List (PA), and Washington Permissible Exposures List (WA). <u>Glycerin</u> is listed on the following state criteria list: MA, MN, PA and WA. <u>Paraffinum Liquidum (mineral oil)</u> is found on the following state criteria list: MA, MN and WA. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI). WARNING: This product contains <u>Methylene Glycol (as Formaldehyde)</u> , a substance known to the state of California to cause cancer. California No Significant Risk Level NOEL = 40 µg/day.



15. REGULATORY INFORMATION – cont'd

15.8	Other Requirements:	<p>The primary components of this product are listed in Annex I of EU Directive 67/548/EEC: <u>Methylene Glycol</u>: Irritant (Xi). <u>Risk Phrases</u> (R): 40-43 – Limited evidence of carcinogenic effect. May cause sensitization by skin contact. <u>Safety Phrases</u> (S): 1/2 -26-36/37/39-45-60-61 – Keep locked up and out of reach of children. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible). This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/SDS. <u>Cyclopentasiloxane</u>: Irritant (Xi). <u>Risk Phrases</u> (R): 36/37/38 – Irritating to eyes respiratory system and skin. <u>Safety Phrases</u> (S): 23-24/25 – Do not breathe vapors/spray. Avoid contact with skin and eyes.</p>	
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16. OTHER INFORMATION

16.1	Other Information:	<p>DANGER! HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE DAMAGE. MAY CAUSE RESPIRATORY IRRITATION. SUSPECTED OF CAUSING CANCER.</p> <p>Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing fume/gas/mist/vapor. Wash with soap and water thoroughly after handling. Do not eat, drink or smoke when using this product. Use only in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Specific treatment see this container label or SDS. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. IF exposed or concerned: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store in a well-ventilated place. Keep container tightly closed. Store locked up. For external use only. Use only as directed. KEEP OUT OF REACH OF CHILDREN.</p> <p>WARNING: This product contains <u>Methylene Glycol</u> (listed as <u>Formaldehyde</u>) a chemical known to the state of California to cause cancer, birth defects or other reproductive harm.</p>	
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.	
16.3	Disclaimer:	<p>This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & BR Diversity, Inc.'s knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.</p>	
16.4	Prepared for:	<p>BR Diversity, Inc. P.O. Box 5462 New York, NY. 10185 USA Tel: +1 (917) 863-3560 http://www.kerazonprofessional.com</p>	
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DEFINITION OF TERMS

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

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
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EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
C	Ceiling Limit
ES	Exposure Standard (Australia)
IDLH	Immediately Dangerous to Life and Health
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

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.
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HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

ML	Maximum Limit
mg/m3	milligrams per cubic meter
NA	Not Available
ND	Not Determined
NE	Not Established
NF	Not Found
NR	No Results
ppm	parts per million
SCBA	Self-Contained Breathing Apparatus

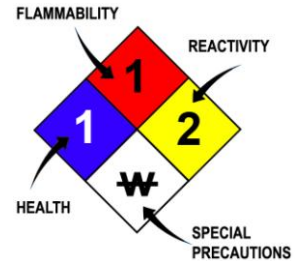
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD₀₁, LD₀₁, & LD₀₁ or TC, TC₀₁, LC₀₁, & LC₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{ow} or log K_{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NOHSC	National Occupational Health and Safety Commission (Australia)
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)
HMIS-III	National Paint & Coatings Association Hazardous Materials Identification System

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment