

1. PRODUCT & COMPANY IDENTIFICATION

1.1	Product Name:	OYA® LIGHTENING POWDER
1.2	Chemical Name:	NA
1.3	Synonyms:	NA
1.4	Trade Names:	OYA® Lightening Powder
1.5	Product Uses & Restrictions:	Professional or Cosmetic Use Only
1.6	Distributor's Name:	Helias LLC
1.7	Distributor's Address:	17030 Ventura Blvd, Suite 200, Los Angeles, CA 91316 USA
1.8	Emergency Phone:	CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-3887
1.9	Business Phone / Fax:	+1 (310) 437-4480 / +1 (310) 437-4481

2. HAZARDS IDENTIFICATION

2.1	Hazard Identification:	<p>Prepared in accordance with UN Globally Harmonized standards. Intended to comply with OSHA 29 CFR 1910.1200, Canadian WHMIS and Australian Work Health and Safety standards. This product is classified as a hazardous substance BUT NOT as dangerous goods according to the classification criteria of WHSR and ADG Code (Australia).</p> <p>DANGER! MAY INTENSIFY FIRE - OXIDIZER. HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED. MAY CAUSE RESPIRATOR</p> <p><u>Classification:</u> Oxidizing Solids 2, Acute Tox. (oral) 4, Skin Irrit. 2, Skin Sens. 1, Eye Irrit. 2A, Resp. Sens. 1, STOT SE 3</p>	
2.2	Label Elements:	<p><u>Hazard Statements (H):</u> H272 – May intensify fire; oxidizer. H302 – Harmful if swallowed. H315 – Causes skin irritation. H317 – May cause an allergic skin reaction. H319 – Causes serious eye irritation. H334 – May cause allergy or asthma symptoms or breathing difficulties.</p> <p><u>Precautionary Statements (P):</u> P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. P220 – Keep/Store away from clothing/combustible materials. P261 – Avoid breathing dust/vapors. P264 – Wash thoroughly after handling. P270 – No smoking. P270 – Do not eat, drink or smoke when using this product. P271 – Use only outdoors or in a well-ventilated area. P280 – Wear protective gloves and eye protection. P301+P312 – IF SWALLOWED: Call a POISON CENTER/DOCTOR if you feel unwell. P302+P352 – IF ON SKIN: Wash with plenty of soap and water. P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 – Call a POISON CENTER/DOCTOR if you feel unwell. P321 – Specific treatment see section 4 of this SDS. P330 – Rinse mouth. P332+P313 – If skin irritation occurs: Get medical advice/attention. P342 + P311 – If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. P362+P364 – Take off contaminated clothing and wash it before reuse. P370 +P378 – In case of fire: use water, foam, CO2, dry chemical or Halon (if authorized). P403+P235 – Store in a well-ventilated place. Keep cool. P405 – Store locked up. P501 – Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).</p>	
2.3	Other Warnings:	<p>KEEP OUT OF REACH OF CHILDREN.</p> <p>NOTICE: This product is designed and intended for use by a licensed cosmetologist/professional hairdresser only, and carries no warranty, expressed or implied, if used by others. Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy, If a severe allergic reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.</p>	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m ³)									OTHER
					ACGIH		NOHSC			OSHA				
					TLV	STEL	ppm		ppm					
POTASSIUM PERSULFATE	7727-21-1	SE0400000	231-781-8	30-50	0.1	NE	NF	NF	NF	NF	NE	NE	NE	
	Ox. Sol. 3; Acute Tox. 4; Skin Irrit. 2; Skin Sens. 1; Eye Irrit. 2; Resp. Sens. 1; STOT SE 3; H272, H302, H315, H317, H319, H334, H335													
SODIUM SILICATE	1344-09-8	NA	215-687-4	10-13	NA	NA	NF	NF	NF	NA	NA	NA		
AMONIUM PERSULFATE	7727-54-0		231-786-5	7-10	NA	NA	NF	NF	NF	NA	NA	NA		
	Acute Tox. 4; Skin Sens. 1B; Eye Irrit. 2; STOT SE 1, H334													
SODIUM METASILICATE	6834-92-0	VV9275000	229-912-9	5-	NA	NA	NF	NF	NF	NA	NA	NA		
	Acute Tox. 4; Skin. 1B; Serious Eye Dam. 1; STOT SE 3; H302, H314, H335													
TETRASODIUM EDTA	64-02-8	NA	200-573-9	1-3	NA	NA	NF	NF	NF	NA	NA	NA		
	Acute tox. 4; Eye Dam. 1; H302, H318													
PARAFFINUM LIQUIDUM (MINERAL OIL)	8012-95-1	PY8030000	232-384-2	1-3	5	10	NF	5	NF	5	10	2500	MIST	
CI 77007 (ULTRAMARINES)	1317-97-1	NA	215-711-3	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA		

3. COMPOSITION & INGREDIENT INFORMATION – cont'd

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		
FRAGRANCE (PARFUM)	NA	NA	NA	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 42090 (BLUE1)	3844-45-9	NA	219-163-6	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA		

4. FIRST AID MEASURES

4.1	First Aid:	<p>Ingestion: If ingested, DO NOT INDUCE VOMITING. Seek immediate medical attention. Contact the nearest Poison Control Center or local emergency telephone number for assistance and instructions. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.</p> <p>Eyes: If product gets in the eyes, remove contact lenses (if used), flush eyes thoroughly with copious amounts of water for at least 15 minutes, holding eyelid(s) open to ensure complete flushing. Seek immediate medical attention.</p> <p>Skin: Remove contaminated clothing and wash affected areas with soap and water. If discomfort persists and/or the skin reaction worsens, contact a physician immediately. Do not wear contaminated clothing until after it has been properly cleaned.</p> <p>Inhalation: Remove victim to fresh air at once. If not breathing, give artificial respiration and contact a physician or local emergency services immediately.</p>															
4.2	Effects of Exposure:	<p>Ingestion: Harmful if swallowed. If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.</p> <p>Eyes: Severe or permanent eye damage. Symptoms of overexposure may include redness, itching, irritation and watering.</p> <p>Skin: Prolonged contact with skin may bleach it and cause burns. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.</p> <p>Inhalation: Harmful by inhalation. May cause severe irritation or burns in respiratory tract and mucous membranes. Possible lung damage.</p>															
4.3	Symptoms of Overexposure:	<p>Overexposure in eyes may cause severe damage, 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.</p> <p>Ingestion: Nausea, severe abdominal pain, vomiting and/or diarrhea.</p> <p>Eyes: Severe or permanent eye damage.</p> <p>Skin: Redness, burning, itching, rash, blistering of skin.</p> <p>Inhalation: Harmful by inhalation. May cause severe irritation or burns in respiratory tract and mucous membranes. Possible lung damage.</p>															
4.4	Acute Health Effects:	May cause severe eye irritation and possible eye injury. Prolonged contact with skin may bleach it and cause burns. Inhalation of vapours or aerosols (mists, fumes) may cause lung oedema. Corrosive substances may cause lung damage (e.g. lung oedema, fluid in the lungs).															
4.5	Chronic Health Effects:	Severe or permanent eye damage. May cause allergic respiratory and skin reactions.															
4.6	Target Organs:	Eyes, Skin, Respiratory System															
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system).															
		<table border="1" style="margin-left: auto; margin-right: 0;"> <tr><td colspan="2" style="background-color: #0000FF; color: white;">HEALTH</td><td style="text-align: center;">1</td></tr> <tr><td colspan="2" style="background-color: #FF0000; color: white;">FLAMMABILITY</td><td style="text-align: center;">1</td></tr> <tr><td colspan="2" style="background-color: #FFA500; color: white;">PHYSICAL HAZARDS</td><td style="text-align: center;">1</td></tr> <tr><td colspan="2" style="background-color: #000000; color: white;">PROTECTIVE EQUIPMENT</td><td style="text-align: center;">B</td></tr> <tr><td style="background-color: #000000; color: white;">EYES</td><td style="background-color: #000000; color: white;">SKIN</td><td></td></tr> </table>	HEALTH		1	FLAMMABILITY		1	PHYSICAL HAZARDS		1	PROTECTIVE EQUIPMENT		B	EYES	SKIN	
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PHYSICAL HAZARDS		1															
PROTECTIVE EQUIPMENT		B															
EYES	SKIN																

5. FIREFIGHTING MEASURES

5.1	Fire & Explosion Hazards:	None reported by manufacturer. Decomposition, which may be caused by heat or combustion, will release oxygen which will increase the flammability range and burning rate of flammable vapors.	
5.2	Extinguishing Methods:	Use water spray. DO NOT use dry chemical, CO ₂ , foam or halogenated-type extinguishers. NOTE: Chemical extinguishing agents may accelerate decomposition.	
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. Fight fire upwind. 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 combustion or decomposition products and oxygen deficiencies.	

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 (PPE). Keep incompatible materials (e.g., organics: oil, paper towels, clothing) away from spill.</p> <p>For small spills (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 large spills (e.g., ≥ 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). Remove spilled material with absorbent material using non-sparking tools 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. 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 while 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. Wash 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). Keep away from excessive heat and open flames. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage. Do not store any tint, lightener lotion or bleach powder after it has been mixed with developer, the container may rupture. Never return unused material to the original container. Empty containers should be rinsed with water before discarding. Reseal container tightly to keep out moisture and other contaminants.
7.3	Special Precautions:	CAUTION: Mixing with other organic materials such as paper towels, clothing, especially if it is damp, MUST be avoided.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Exposure Limits: ppm (mg/m ³)	ACGIH			NOHSC			OSHA			OTHER
		CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
		POTASSIUM PERSULFATE	0.1	NE	NF	NF	NF	NE	NE	NE	
		AMMONIUM CHLORIDE	(10)	NA	(10)	(20)	NF	(10)	NA	NA	
		TALC	2	NA	NF	2.5	NF	2	NA	1000	
		PARAFFINUM LIQUIDUM (MINERAL OIL)	5	10	NF	5	NF	5	10	2500	MIST
8.2	Ventilation & Engineering Controls:	Avoid inhalation. General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use in a chemical fume hood when working with large quantities of product and provide adequate ventilation (e.g., local exhaust ventilation, fans) to avoid buildup of vapors.									
8.3	Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.									
8.4	Eye Protection:	AVOID EYE CONTACT. Protective eyewear recommended. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard as soft lenses may absorb and concentrate irritants.									
8.5	Hand Protection:	AVOID SKIN CONTACT. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. During use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.									
8.6	Body Protection:	Apron recommended when handling large quantities (e.g., ≥ 1 gallon). Eye wash stations and deluge showers should be available.									

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Appearance:	White powder
9.2	Odor:	Fresh odor
9.3	Odor Threshold:	NA
9.4	pH:	10.3 – 11.3
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. PHYSICAL & CHEMICAL PROPERTIES-cont'd

9.9	Vapor Pressure:	NA
9.10	Vapor Density:	NA
9.11	Relative Density:	0.65 – 0.98 g/ml
9.12	Solubility:	Soluble
9.13	Partition Coefficient (log Pow):	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.
10.2	Hazardous Decomposition Products:	Reaction with organics and strong reducing agents may cause fire.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Excessive moisture, shock, friction.
10.5	Incompatible Substances:	Organic materials, strong reducing agents, powdered metals, strong bases, alcohols, phosphorous, anhydrides, halogens, acids.

11. TOXICOLOGICAL INFORMATION

11.1	Routes of Entry:	Inhalation: YES	Absorption: YES	Ingestion: YES
11.2	Toxicity Data:	The product has not been tested for specific toxicity data. However, technical data is available in scientific literature for the following components within this product.		
11.3	Acute Toxicity:	See Section 4.4		
11.4	Chronic Toxicity:	See Section 4.5		
11.5	Suspected Carcinogen:	Talc: ACIGH A4 – Not classifiable as a human carcinogen. Resorcinol is not carcinogenic to humans, but is listed as Group 3 carcinogens by the IARC. Paraffinum Liquidum (Mineral Oil) is listed as IARC Group 1.		
11.6	Reproductive Toxicity:	This product is not reported to cause reproductive effects 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 cause teratogenic effects in humans.		
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.		
11.7	Irritancy of Product:	See Section 4.3		
11.8	Biological Exposure Indices:	NE		
11.9	Physician Recommendations:	Treat symptomatically.		

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability:	There is no specific data available for this product.
12.2	Effects on Plants & Animals:	There is no specific data available for this product.
12.3	Effects on Aquatic Life:	There is no specific data available for this product.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal:	Dispose of in accordance with federal, state and local regulations.
13.2	Special Considerations:	U.S. EPA Waste Number: D001 (characteristic - ignitable)

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):	UN1479, OXIDIZING SOLID, N.O.S. (potassium persulfate), 5.1, III (LTD QTY, IP VOL ≤ 5.0 kg)	
14.2	IATA (AIR):	UN1479, OXIDIZING SOLID, N.O.S. (potassium persulfate), 5.1, III (LTD QTY, IP VOL ≤ 0.5 kg)	
14.3	IMDG (OCN):	UN1479, OXIDIZING SOLID, N.O.S. (potassium persulfate), 5.1, III (LTD QTY, IP VOL ≤ 5.0 kg)	
14.4	TDGR (CANADA):	UN1479, OXIDIZING SOLID, N.O.S. (potassium persulfate), 5.1, III (LTD QTY, IP VOL ≤ 5.0 kg)	
14.5	ADR/RID (EU):	UN1479, OXIDIZING SOLID, N.O.S. (potassium persulfate), 5.1, III (LTD QTY, IP VOL ≤ 5.0 kg)	

14. TRANSPORTATION INFORMATION-cont'd

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.

14.6	SCT (MEXICO):	UN1479, SOLIDO COMBURENTE, N.E.P. (persulfato de potasio), 5.1, III (CANT. LTDA., IP VOL ≤ 5.0 kg)	
14.7	ADGR (AUS):	UN1479, OXIDIZING SOLID, N.O.S. (potassium persulfate), 5.1, III (LTD QTY, IP VOL ≤ 5.0 kg)	

15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements:	This product does not contain any substances subject to SARA Title III, section 313 reporting requirements.	
15.2	SARA Threshold Planning Quantity:	There are no specific Threshold Planning Quantities for the components of this product.	
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.	
15.4	CERCLA Reportable Quantity (RQ):	<u>Ammonium Chloride</u> : 2270 kg (5000 lbs)	
15.5	Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics). Ammonium Chloride is listed as a Hazardous Substance 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.	
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the SDS 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 C, D2B (Oxidizing, Other Toxic Effects)	
15.7	State Regulatory Information:	<u>Potassium Persulfate</u> is found on the following state criteria lists: FL, MA, NJ, PA. <u>Talc</u> is found on the following state criteria list: FL, MA, MN, NJ, 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 (CA65), Delaware Air Quality Management List (DE), 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). This product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information go to www.P65Warnings.ca.gov .	
15.8	Other Requirements:	This product is found on the following inventory lists: Australia - AICS, China - IECSC, Europe - ELINCS/EINEC, Japan - ENCS; Korea - KECI; New Zealand - NZIoC; {Philippines - PICCS; USA - TSCA	

16. OTHER INFORMATION

16.1	Other Information:	<p>DANGER! MAY INTENSIFY FIRE - OXIDISER. HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED. MAY CAUSE RESPIRATORY IRRITATION.</p> <p>Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep/Store away from clothing/.combustible materials. Take any precaution to avoid mixing with combustibles. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands and exposed skin areas with soap and warm water thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water.</p> <p>KEEP OUT OF REACH OF CHILDREN</p>	
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.	
16.3	Disclaimer:	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 & Helias LLC 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.	
16.4	Prepared for:	Helias LLC 17030 Ventura Blvd, Suite 200 Los Angeles, CA 91316 USA Tel: +1 (310) 437-4480 Fax: +1 (310) 437-4481 www.heliascosmetics.com	
16.5	Prepared by:	ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com	

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
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
IDLH	Immediately Dangerous to Life and Health
NOHSC	National Occupational Health and Safety Commission (Australia)
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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HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

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	Protective 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:

Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

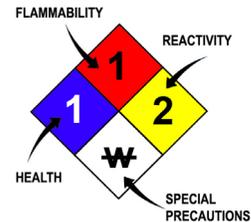
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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
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)

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

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