

## SAFETY DATA SHEET — 16 Sections

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION			
Product Identifier	<b>Blacklight Cool Tone Lightener</b>		[WHMIS Classification] <b>Excluded</b>
Product Use	<b>Personal Care/Use - Cosmetic - Hair Bleach</b>		<b>Revision 4</b>
Distributor Name	<b>Vernico Products LTD</b>		
Street Address	<b>680 Avenue Lepine</b>		
City	<b>Dorval</b>		State - Country <b>Quebec - Canada</b>
Postal Code	<b>H9P 2S5</b>	24H Emergency Telephone	1-888-CANUTEC (NORTH AMERICA) 1-613-996-6666 (INTERNATIONAL)

SECTION 2 – HAZARDS IDENTIFICATION				
Route of Entry	<input checked="" type="checkbox"/> Skin Contact	<input type="checkbox"/> Skin Absorption	<input checked="" type="checkbox"/> Eye Contact	
<input checked="" type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Ingestion			
[Emergency Overview]	This is a personal care or cosmetic product that is safe for consumers and other users under intended and reasonably foreseeable use.			
[WHMIS Symbols]	NA	Classification: Oxidizer Class 1 Acute Toxicity 4; Skin Irritation 2; Eye Irritation 2A Signal Word: Danger		
[Potential Health Effects]				
Eye Contact: CAUTION. Eye irritant. May cause severe irritation and possible permanent eye injury (Category 2). Skin Contact: May induce irritation or allergic skin reaction in sensitized individuals (Category 2). Inhalation: Respiratory tract irritant. May cause asthmatic attack in sensitive individuals. Ingestion: Moderately toxic (Category 4).				
   <ul style="list-style-type: none"> <li>• Irritant (skin and eye)</li> <li>• Acute Toxicity (harmful)</li> <li>• Respiratory Tract Irritant</li> <li>• Oxidizers</li> <li>• Respiratory Tract Irritant</li> </ul>	<b>Hazard Statement:</b> H270: May cause or intensify fire; oxidizer H303: May be harmful if swallowed H305: May be harmful if swallowed and enters airways H313: May be harmful in contact with skin H317: May cause an allergic skin reaction H319: Causes serious eye irritation H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled H335: May cause respiratory irritation			
<b>Precautionary Statement:</b> P102: Keep out of reach of children P103: Read label before use P232: Protect from moisture P233: Keep container tightly closed P234: Keep only in original container	P261: Avoid breathing dust/fume/gas/mist/vapours/spray P262: Do not get in eyes, on skin, or on clothing P264: Wash hands thoroughly after handling P270: Do not eat, drink or smoke when using this product P281: Use personal protective equipment as required			
<b>Response Precautionary Statement</b> P301+310+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting; Immediately call a POISON CENTER or doctor/physician P302+P313+P333+352: IF ON SKIN: Wash with soap and water; If skin irritation or a rash occurs, get medical advice/attention P304+P313+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if breathing difficulty continues. P305+P313+P337+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists, get medical advice/attention	<b>Storage Precautionary Statement</b> P402+404: Store in a dry place. Store in a closed container P403+233: Store in a well ventilated place. Keep container tightly closed			

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS				
Hazardous Ingredients (specific)	%	CAS Number	LD <sub>50</sub> of Ingredient (specify species and route)	LC <sub>50</sub> of Ingredient (specify species)
Potassium Persulfate	36 - 48	7727-21-1	DERMAL LD <sub>50</sub> : > 2,000 mg/kg (rat) ORAL LD <sub>50</sub> : 802 mg/kg (rat)	> 2.95 mg/L (Rat) (4-hr)
Sodium Silicate	20 – 30	1344-09-8	ORAL LD50: 3,400 mg/kg (rat)	> 2.06 g/m3 (Rat)
Ammonium Persulfate	10 - 20	7727-54-0	DERMAL LD50: > 2,000 mg/kg (rabbit) ORAL LD50: 740 mg/kg (female rat)	> 2.95 mg/1 (4 h) (rat)
Mineral Oil	5 - 10	8042-47-5	ORAL LD50: >5,000 mg/kg (rat)	ND
Aluminum Stearate	1 – 5	7047-89-4	ND	ND
Sodium Stearate	1 – 5	87701-10-4	ORAL LD50: >5,000 mg/kg (rat)	ND
Hydrated Silica	1 – 3	112926-00-8	ORAL LD50: >10,000 mg/kg (rat)	ND
Silica	1 – 3	112945-52-5	DERMAL LD50: > 2,000 mg/kg (rabbit) ORAL LD50 >5000 mg/kg (rats)	>5 mg/L (4H; rat)
Disodium EDTA	1 – 3	60-00-4	ORAL LD50: 2,800 mg/kg (rat)	ND

INCI Ingredient List: Potassium Persulfate, Sodium Silicate, Ammonium Persulfate, Mineral oil/Paraffinum liquidum, Aluminum Stearate, Sodium Stearate, Hydrated Silica, Synthetic Amorphous, Pyrogenic Silica, Disodium EDTA, Xanthan Gum, Ultramarine Blue/CI77007, JHL Bleach light ash blonde

## SECTION 4 – FIRST AID MEASURES

Skin Contact: Flush with water for at least 15 minutes. If irritation occurs and persists, obtain medical attention.
Eye Contact: Flush with water for at least 15 minutes. If irritation occurs and persists, obtain medical attention.
Inhalation: Remove to fresh air. If breathing difficulty or discomfort occurs and persists, contact a medical doctor.
Ingestion: Rinse mouth with water. Dilute by giving 1 or 2 glasses of water. Do not induce vomiting unless advised by physician. Never give anything by mouth to an unconscious person. See a medical doctor immediately.
<b>NOTES TO MEDICAL DOCTOR:</b> This product has moderate oral toxicity and is minimally irritating to the eyes. Flooding of exposed areas with water is suggested, but gastric lavage or emesis induction for ingestions must consider the possible aggravation of esophageal injury and the expected absence of systemic effects. Treatment is controlled removal of exposure followed by symptomatic and supportive care.

## SECTION 5 – FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	
Means of Extinction: <b>Deluge with Water only</b>		
Flashpoint (°C) and Method: <b>NA</b>	Upper Flammable Limit: <b>Non-Combustible</b> (% by volume):	Lower Flammable Limit: <b>Non-Combustible</b> (% by volume):
Autoignition Temperature (°C)	Explosion Data: <b>Not Available</b> — Sensitivity to Impact:	Explosion Data: <b>Not Available</b> — Sensitivity to Static Discharge
Hazardous Combustion Products: <b>Oxygen that supports combustion and oxides of sulfur and nitrogen; Hydrogen</b>		
Fire Fighting Procedures/Equipment: <b>Do not use carbon dioxide or other gas filled fire extinguishers; they will have no effect on decomposing persulfates. Wear full protective clothing and self-contained breathing apparatus.</b>		
[NFPA]: Health 1; Flammability 0; Reactivity 1; Special OX		

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Leak and Spill Procedures:** Spilled material should be collected and put in approved DOT container and isolated for disposal. Isolated material should be monitored for signs of decomposition (fuming/smoking). If spilled material is wet, dissolve with large quantity of water and dispose. All disposals should be carried out according to regulatory agencies procedures.

**Personal Protection:**

Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots, NIOSH-approved dust respirator where dust occurs. See section 8.

**Small Spill Cleanup:**

Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate Personal Protective Equipment (PPE). See section 8.

**Large Spill Cleanup**

Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material. Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate Personal Protective Equipment (PPE). See section 8. In case of contact with water, prevent runoff from entering into storm sewers and ditches, which lead to natural waterways. Neutralize contaminated area and flush with large quantities of water. Comply with applicable environmental regulations.

## SECTION 7 – HANDLING AND STORAGE

**Handling Procedures and Equipment:** Use only with adequate ventilation and avoid inhalation. Avoid contact with eyes and skin (other than areas of application). Do not inhale or ingest. Prepare and use in a well-ventilated area. Use adequate ventilation when transferring product from bags or drums. Wear respiratory protection if ventilation is inadequate or not available. Use eye and skin protection. Use clean plastic or stainless steel scoops only.

**Storage Requirements:** Store (unopened) in a cool, clean, dry place away from point sources of heat, e.g. radiant heaters or steam pipes. Use first in, first out storage system. Avoid contamination of opened product. Do not store with or near fuels, solvents or other organic materials. Avoid heat, moisture and reducing agents. In case of fire or decomposition (fuming/smoking) deluge with plenty of water to control decomposition.

## SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits  ACGIH TLV 0.1 mg/m<sup>3</sup> (Potassium Persulfate)  OSHA PEL Not Established  Other (specify) 15 mg/m<sup>3</sup> Total Dust

**Specific Engineering Controls (such as ventilation, enclosed process):** None required for product use. For handling large quantities of material, such as in the manufacturing of product, ventilation should be utilized. Local exhaust ventilation is not typically required for product use. For handling large quantities of material, such as in the manufacturing of product -- Local Exhaust: Explosion proof. Mechanical (general): Explosion proof.

Personal Protective Equipment  Gloves  Respirator  Eye  Footwear  Clothing  Other  
If checked, please specify type

Plastic or rubber gloves should be worn during product application and preparation. Safety glasses should be considered to protect from eye irritation. Apron may be used for product handling. Ensure all work surfaces are clean. Metal instruments should not be used with this product or stored inside product containers.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid	Odor and Appearance : Odorless, Blue Powder	Odor Threshold (ppm) : Not Determined
Specific Gravity: >1 (water = 1)	Vapor Density (air = 1) : NA	Vapor Pressure (mmHg) : NA
Evaporation Rate: NA	Boiling Point (°C) : NA	Freezing Point (°C) : NA
pH : (1% aqueous) 10.5 su – 11.5 su	Coefficient of Water/Oil Distribution : NA	[Solubility in Water] : >100 g/L (dispersible)

## SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, under which conditions?	
Incompatibility with Other Substances <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, which ones?	Acids, alkalis, halides (fluorides, chlorides, bromides and iodides), combustible materials, most metals and heavy metals, oxidizable materials, other oxidizers, reducing agents, cleaners, and organic or carbon containing compounds.
Conditions to Avoid:	Heat, moisture and contamination.
Hazardous Decomposition Products	Oxygen that supports combustion and oxides of sulfur and nitrogen; Hydrogen

## SECTION 11 – TOXICOLOGICAL INFORMATION

No toxicological testing has been performed on this product. Information in this section is based on toxicology of individual components.

Effects of Acute Exposure	
Irritation of eyes, skin and mucous membranes. Possible irritant/allergic dermatitis and respiratory signs and symptoms, the onset of which may be delayed.	
Effects of Chronic Exposure	
Possible allergic dermatitis. Possible respiratory sensitization could occur.	
Irritancy of Product: Product is known to be a moderate irritant	
Skin Sensitization: Can cause irritation and possible dermatitis. Can exacerbate dermatological issues such as eczema.	Respiratory Sensitization: Irritant and can exacerbate bronchitis and bronchial asthma
Carcinogenicity — IARC: No components recognized as carcinogenic	Carcinogenicity — ACGIH: No components recognized as carcinogenic
Reproductive Toxicity: No components recognized as being reproductive toxin	Teratogenicity: No components recognized as being teratogen
Embryotoxicity: No components listed as causing birth defects	Mutagenicity: No components recognized as being mutagen
Note: LD <sub>50</sub> and LC <sub>50</sub> data is presented in Section 3. Calculated ATE LD <sub>50</sub> for product is 1,412 mg/kg based on individual chemical acute toxicity data	

## SECTION 12 – ECOLOGICAL INFORMATION

The product itself has not been tested as a whole, but the following results have been associated with some of its constituents:

*Potassium/Sodium Persulfate:*

Bluegill sunfish, 96-hour LC<sub>50</sub> = 771 mg/L  
Rainbow Trout, 96-hour LC<sub>50</sub> = 163 mg/L

Daphnia, 48-hour LC<sub>50</sub> = 133 mg/L  
Grass shrimp, 96 hour LC<sub>50</sub> = 519 mg/L

*Disodium EDTA*

Fish 96 Hr LC<sub>50</sub>: >100 mg/L  
Daphnia magna, 48-hr EC<sub>50</sub> = 140 mg/L

*Ammonium Persulfate*

Bluegill sunfish, 96-hr LC50 103 mg/L  
Rainbow trout, 96-hr LC50 76.3 mg/L  
Daphnia, 48-hr LC50 = 120 mg/L  
Grass shrimp. 96-hr LC50 = 391 mg/L

**CHEMICAL FATE:** Biodegradability does not apply to inorganic substances.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal :** Hair bleaching products are ignitable RCRA hazardous wastes when intended for disposal. Physical and/or chemical deactivation/degradation is the required method of treatment and disposal.

**RCRA HAZARD CLASS:** D001

Follow all local governmental requirements intended for disposal.

## SECTION 14 – TRANSPORT INFORMATION

Please be aware of carrier transport variations before shipping hazardous materials.

**[USDOT]**

**In Consumer Packaging:** ORM-D; Consumer Commodity or Limited Quantity

LABELING: ORM-D Label or Black and White square on point without "Y"

**OTHER THAN CONSUMER PACKAGING:**

UN NUMBER: 3215

PROPER SHIPPING NAME: Persulfates, Inorganic, N.O.S.

TECHNICAL NAME: Ammonium Persulfate, and Potassium Persulfate

HAZARD CLASS: 5.1

PACKING GROUP: III

LABELING: Yellow 5.1 Oxidizer Label

**[ICAO]**

**In Consumer Packaging:** Limited quantity (maximum net quantity per package) <10 kg

UN NUMBER: 3215

PROPER SHIPPING NAME: Persulfates, Inorganic, N.O.S.

TECHNICAL NAME: Ammonium Persulfate, and Potassium Persulfate

HAZARD CLASS: 5.1

PACKING GROUP: III

LABELING: Black and White square on point with "Y" in center

**OTHER THAN CONSUMER PACKAGING:** <25 kg (passenger) or <100 kg (cargo)

UN NUMBER: 3215

PROPER SHIPPING NAME: Persulfates, Inorganic, N.O.S.

TECHNICAL NAME: Ammonium Persulfate, and Potassium Persulfate

HAZARD CLASS: 5.1

PACKING GROUP: III

LABELING: Yellow 5.1 Oxidizer Label

## SECTION 15 – REGULATORY INFORMATION

<p>[WHMIS Classification] EXCLUDED as Cosmetic</p> <p><b>SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)</b> SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355, APPENDIX A): Not listed</p> <p>SECTION 311 HAZARD CATEGORIES (40 CFR 370): Fire Hazard, Immediate (Acute) Health Hazard</p> <p>SECTION 312 THRESHOLD PLANNING QUANTITY (40 CFR 370): The Threshold Planning Quantity (TPQ) for this product, if treated as a mixture, is 10,000lbs; however, this product contains the following ingredients with a TPQ of less than 10,000 lbs.: None</p> <p>SECTION 313 REPORTABLE INGREDIENTS (40 CFR 372): Not listed</p>	<p><b>CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT)</b> CERCLA DESIGNATION &amp; REPORTABLE QUANTITIES (RQ) (40 CFR 302.4): Unlisted, RQ 100 lbs., Ignitability</p> <p><b>TSCA (TOXIC SUBSTANCE CONTROL ACT)</b> TSCA INVENTORY STATUS (40 CFR 710): This product is not required to be listed under TSCA. However, the ingredients of this product are listed on the TSCA inventory.</p> <p><b>RCRA (Resource Conservation and Recovery Act)</b> Unused material would be classified as an Ignitable Waste (D001) and should be handle appropriately according Local, State, and Federal laws.</p>		
<p><b>Canada:</b> While mixture has not been tested, due to the components within this product, it is considered a Class C Oxidizing Material under the Controlled Products Regulations. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.</p>			
 <p>Class C Oxidizing Material</p>			
<p>California Proposition 65:</p>	<p>This product is not known to contain any components for which the State of California has found to cause cancer, birth defects or other reproductive harm.</p>		
<p>International Inventories Component(s) of the product are on the following Inventory lists: TSCA, Australia (AICS), Canada (DSI), China, Europe (EINECS/ELINCS), Japan, Korea (ECI), and Philippines (PICCS)</p>			
<p>GHS Acute oral toxicity LD<sub>50</sub> (mg/kg): Calculated ATE LD<sub>50</sub> (mg/kg) for product 1,412</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;">           ANSI 129.1 (USA) – Harmful            OSHA HCS (USA) – Non-Toxic            EPA (USA) – Toxic Category III            CPSC (USA) – Non-Toxic            DOT (USA) – Packing Group III            NFPA (USA) – Hazard Category 1            HMIS (USA) – Toxicity Rating 1         </td> <td style="width: 50%; vertical-align: top;">           EU – Harmful            WHMIS (Canada) – Non-Toxic            Australia – Harmful            Mexico – Mildly Toxic            Malaysia – Not Harmful            Japan – Powerful            Korea - Harmful         </td> </tr> </table>		ANSI 129.1 (USA) – Harmful OSHA HCS (USA) – Non-Toxic EPA (USA) – Toxic Category III CPSC (USA) – Non-Toxic DOT (USA) – Packing Group III NFPA (USA) – Hazard Category 1 HMIS (USA) – Toxicity Rating 1	EU – Harmful WHMIS (Canada) – Non-Toxic Australia – Harmful Mexico – Mildly Toxic Malaysia – Not Harmful Japan – Powerful Korea - Harmful
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## SECTION 16 – OTHER INFORMATION

### DISCLAIMER:

**This Safety Data Sheet is based upon our current knowledge and considered to be accurate at the time of its preparation. We are not responsible for any damage or injury resulting from abnormal use, from any failure to follow appropriate practices or instructions.**