

Prepared to OSHA, ACC, ANSI, WHMIS & 2001/58 EC Standards

MSDS Revision: 1.0

MSDS Revision Date: 01/01/2006

## 1. PRODUCT IDENTIFICATION

1.1	Product Name: <b>IGORA VARIO BLOND PLUS</b>
1.2	Chemical Name: <b>PERSULFATE MIXTURE</b>
1.3	Synonyms: <b>NA</b>
1.4	Trade Names: <b>NA</b>
1.5	Product Use: <b>PROFESSIONAL OR SUNDRY USE ONLY</b>
1.6	Distributor's Name: <b>SCHWARZKOPF, INC.</b>
1.7	Distributor's Address: <b>6047 BRISTOL PARKWAY, SUITE 200, CULVER CITY, 90230 USA</b>
1.8	Emergency Phone: <b>CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-3887</b>
1.9	Business Phone: <b>+1 (310) 641-4600</b>

## 2. HAZARD IDENTIFICATION

2.1	Hazard Identification: <b>This product is intended for professional salon use to bleach and lighten hair. Product contains an oxidizer, which may contribute to or accelerate a fire. Wear protective clothing to prevent skin contact. Keep out of the reach of children. May be irritating to the eyes. Prolonged skin contact may cause skin irritation. May be harmful if swallowed. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.</b>						
2.2	Routes of Entry:	Inhalation:	<b>YES</b>	Absorption:	<b>YES</b>	Ingestion:	<b>YES</b>
2.3	Effects of Exposure: <b>INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea.</b> <b>EYES: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering.</b> <b>SKIN: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.</b> <b>INHALATION: Moderately irritating to the throat, esophagus and other tissues of the digestive system</b>						
2.4	Symptoms of Overexposure: <b>Contact may cause eye irritation including stinging, watering and redness. May cause redness or itching on the skin at the contact site. May cause stinging, irritation and redness of throat, esophagus and intestinal tract. Symptoms of overexposure by inhalation can include coughing, wheezing, nasal congestion, and difficulty breathing.</b>						
2.5	Acute Health Effects: <b>SKIN: May cause irritation under normal conditions; will cause stinging and burning sensation to open cuts or abraded skin.</b> <b>EYES: May cause redness, burning, stinging, possible serious injury or blindness if left untreated.</b> <b>INGESTION: May cause irritation in mouth, chest and stomach resulting in vomiting and shortness of breath.</b> <b>INHALATION: May cause irritation to respiratory system resulting in hoarseness and tightness of throat in cases of prolonged exposure.</b>						
2.6	Chronic Health Effects: <b>No chronic health effects are expected to occur from a single accidental ingestion. May develop sensitivity. If rash occurs, stop using and obtain medical attention.</b>						
2.7	Target Organs: <b>Eyes &amp; skin.</b>						

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 Z400.1-2004 format.

### 3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m <sup>3</sup> )					
					ACGIH - ppm		OSHA - ppm			OTHER
					TLV	STEL	PEL	STEL	IDLH	
PROPRIETARY INGREDIENTS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM PERSULFATE	7727-21-1	SE0400000	231-781-8	≤ 35.0	(2)	NE	NA	NA	NA	NA
AMMONIUM PERSULFATE	7727-54-0	SE0350000	231-786-5	≤ 10.0	(2)	(0.1)	NA	(0.1)	NA	NA
SILICA	7631-86-9	VV7565000	231-545-4	≤ 2.0	(10)	NA	(6)	NA	NA	NA

### 4. FIRST AID MEASURES

4.1	<p>First Aid:</p> <p><b>INGESTION:</b> If ingested, do not induce vomiting. Drink plenty of water or milk. If the patient is vomiting, continue to offer plenty of water or milk. Never give water or milk to an unconscious person. If large quantities are ingested, contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time and amount of the substance that was swallowed. Get medical attention immediately.</p> <p><b>EYES:</b> If product is in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. If problem persists, consult a physician.</p> <p><b>SKIN:</b> If redness, dryness or other signs of irritation to the skin develop, remove contaminated clothing and wash affected skin areas with plenty of warm water and soap. If irritation persists, consult a physician.</p> <p><b>INHALATION:</b> Remove victim to fresh air at once. Give oxygen as necessary.</p>										
4.2	<p>Medical Conditions Aggravated by Exposure:  <b>At increased risk from exposure are persons with preexisting skin and eye conditions.</b></p> <table border="1" style="width: 100%;"> <tr> <td style="background-color: #0000FF; color: white;"><b>HEALTH</b></td> <td style="text-align: center;"><b>2</b></td> </tr> <tr> <td style="background-color: #FF0000; color: white;"><b>FLAMMABILITY</b></td> <td style="text-align: center;"><b>0</b></td> </tr> <tr> <td style="background-color: #FFFF00;"><b>REACTIVITY</b></td> <td style="text-align: center;"><b>1</b></td> </tr> <tr> <td><b>PROTECTIVE EQUIPMENT</b></td> <td style="text-align: center;"><b>B</b></td> </tr> <tr> <td><b>EYES</b></td> <td><b>SKIN</b></td> </tr> </table>	<b>HEALTH</b>	<b>2</b>	<b>FLAMMABILITY</b>	<b>0</b>	<b>REACTIVITY</b>	<b>1</b>	<b>PROTECTIVE EQUIPMENT</b>	<b>B</b>	<b>EYES</b>	<b>SKIN</b>
<b>HEALTH</b>	<b>2</b>										
<b>FLAMMABILITY</b>	<b>0</b>										
<b>REACTIVITY</b>	<b>1</b>										
<b>PROTECTIVE EQUIPMENT</b>	<b>B</b>										
<b>EYES</b>	<b>SKIN</b>										

### 5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: <b>NA</b>
5.2	Autoignition Temperature: <b>NA</b>
5.3	Flammability Limits: Lower Explosive Limit (LEL): <b>NA</b> Upper Explosive Limit (UEL): <b>NA</b>
5.4	Fire & Explosion Hazards: <b>Will not burn, but decomposition may result in the formation of oxides of carbon, nitrogen and sulfur and ammonia. May release oxygen which contributes to the fire.</b>
5.5	Extinguishing Methods: <b>Use only large quantities of water. Flood with water and use water spray to cool fire-exposed containers and structures.</b>
5.6	Firefighting Procedures: <b>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.</b>



## 6. ACCIDENTAL RELEASE MEASURES

6.1	<p>Spills:</p> <p><b>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment.</b></p> <p><b>Small Spills:</b> Wear appropriate protective equipment including gloves and protective eyewear. Use a non-combustible material such as vermiculite or sand to soak up the product and place into a container for later disposal.</p> <p><b>Large Spills:</b> Keep incompatible materials (e.g., organics such as oil) away from spill. Stay upwind and away from spill or release. Isolate immediate hazard area and keep unauthorized personnel out of area. Stop spill or release if it can be done with minimal risk. <b>Wear appropriate protective equipment including respiratory protection as conditions warrant.</b></p>
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## 7. HANDLING & STORAGE INFORMATION

7.1	<p>Work &amp; Hygiene Practices:</p> <p><b>Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. Avoid contact with incompatible materials (see Section 10). Keep bulk covered. Use chemical goggles if eye contact is possible. Wash unintentional residues with soap and warm water.</b></p>
7.2	<p>Storage &amp; Handling:</p> <p><b>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.</b></p>
7.3	<p>Special Precautions:</p> <p><b>Spilled material may present a slipping hazard if left unattended. Clean all spills promptly.</b></p>

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	<p>Ventilation &amp; Engineering Controls:</p> <p><b>General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or general exhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling of this product.</b></p>
8.2	<p>Respiratory Protection:</p> <p><b>None required if used in a well-ventilated area. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrants a respirator's use.</b></p>
8.3	<p>Eye Protection:</p> <p><b>Avoid eye contact. Use approved safety glasses or goggles.</b></p>
8.4	<p>Hand Protection:</p> <p><b>Rubber or latex gloves.</b></p>
8.5	<p>Body Protection:</p> <p><b>Avoid contact with skin, eyes and clothing.</b></p>

## 9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	<b>0.70-0.78</b>
9.2	Boiling Point:	<b>NA</b>
9.3	Melting Point:	<b>NA</b>
9.4	Evaporation Rate:	<b>NA</b>
9.5	Vapor Pressure:	<b>ND</b>
9.6	Molecular Weight:	<b>NA</b>
9.7	Appearance & Color:	<b>Blue powder with perfumery odor.</b>
9.8	Odor Threshold:	<b>ND</b>
9.9	Solubility:	<b>Insoluble</b>
9.10	pH	<b>11.8-12.2</b>
9.11	Viscosity:	<b>NA</b>
9.12	Other Information:	<b>NA</b>

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## 10. STABILITY & REACTIVITY

10.1	Stability: <b>Stable under normal conditions; unstable with heat or contamination.</b>
10.2	Hazardous Decomposition Products: <b>Oxides of carbon (CO, CO<sub>2</sub>) and sulfur (SO<sub>2</sub>), hydrogen sulfide (H<sub>2</sub>S), and ammonia.</b>
10.3	Hazardous Polymerization: <b>Will not occur.</b>
10.4	Conditions to Avoid: <b>Open flames, sparks, high heat and incompatible substances.</b>
10.5	Incompatible Substances: <b>Strong acids, flammable liquids, acid chlorides, excessive heat or flame.</b>

## 11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data: <b>The product has not been tested for specific toxicity data.</b>
11.2	Acute Toxicity: <b>See section 2.5</b>
11.3	Chronic Toxicity: <b>See section 2.6</b>
11.4	Suspected Carcinogen: <b>No</b>
11.5	Reproductive Toxicity: <b>This product is not reported to produce reproductive toxicity in humans.</b>
	Mutagenicity: <b>This product is not reported to produce mutagenic effects in humans.</b>
	Embryotoxicity: <b>This product is not reported to produce embryotoxic effects in humans.</b>
	Teratogenicity: <b>This product is not reported to produce teratogenic effects in humans.</b>
	Reproductive Toxicity: <b>This product is not reported to produce reproductive effects in humans.</b>
11.6	Irritancy of Product: <b>See Section 2.3</b>
11.7	Biological Exposure Indices: <b>NE</b>
11.8	Physician Recommendations: <b>Treat symptomatically.</b>

## 12. ECOLOGICAL INFORMATION

12.1	Environmental Stability: <b>There is no specific data available for this product.</b>
12.2	Effects on Plants & Animals: <b>There is no specific data available for this product.</b>
12.3	Effects on Aquatic Life: <b>Persulfates are harmful to aquatic organisms.</b>

## 13. DISPOSAL CONSIDERATIONS

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

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## 14. TRANSPORTATION INFORMATION

The basic description (proper shipping name, hazard class & division, ID Number, 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): <b>CONSUMER COMMODITY, ORM-D (≤ 1.0 KG) UN3215, PERSULFATES, INORGANIC, N.O.S. (POTASSIUM PERSULFATE, POTASSIUM PERSULFATE), 5.1, III</b>
14.2	IATA (AIR): <b>UN3215, PERSULFATES, INORGANIC, N.O.S. (POTASSIUM PERSULFATE, POTASSIUM PERSULFATE), 5.1, III, LTD QTY ( IP WGT ≤ 0.5 KG, OP WGT ≤ 1.0 KG)</b>
14.3	IMDG (OCN): <b>UN3215, PERSULFATES, INORGANIC, N.O.S. (POTASSIUM PERSULFATE, POTASSIUM PERSULFATE), 5.1, III, LTD QTY (≤ 1.0 KG)</b>
14.4	TDGR (Canadian GND): <b>MARK PACKAGE "LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE (WGT ≤ 1.0 KG)</b>
14.5	ADR/RID (EU): <b>UN3215, PERSULFATES, INORGANIC, N.O.S. (POTASSIUM PERSULFATE, POTASSIUM PERSULFATE), 5.1, III, LTD QTY (≤ 1.0 KG)</b>
14.6	SCT (MEXICO): <b>UN3215, PERSULFATOS INORGANICOS, N.E.P. (PERSULFATO DE POTASIO, PERSULFATO DE AMONIO), 5.1, III, LTD QTY (≤ 1.0 KG)</b>



## 15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements: <b>NA</b>	
15.2	SARA Threshold Planning Quantity: <b>NA</b>	
15.3	TSCA Inventory Status: <b>All chemical substances of this product are listed on the TSCA inventory or are otherwise exempted from inventory status.</b>	
15.4	CERCLA Reportable Quantity (RQ): <b>NA</b>	
15.5	Other Federal Requirements: <b>This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).</b>	
15.6	Other Canadian Regulations: <b>This product has been classified according to the hazard criteria of the CPR and the MSDS 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.</b>	
15.7	State Regulatory Information: <b>The components of this product are not listed on the California Proposition 65 lists or other state criteria lists.</b>	
15.8	67/548/EEC (European Union) Requirements: <b>The primary component of this product is listed in Annex I of EU Directive 67/548/EEC:</b> <b>Potassium Persulfate:</b> Harmful, Oxidizer (Xn, O). R: 22-36/37/38-42/43 - Harmful if swallowed. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation and skin contact. Contact with combustible material may cause fire. S: 26-36/37/39-45 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 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). <b>Ammonium Persulfate:</b> Harmful, Oxidizer (Xn, O). R: 22-34-42/43 - Harmful if swallowed. Causes burns. May cause sensitization by inhalation and skin contact. Contact with combustible material may cause fire. S: 17-22-24-36/37/39-45 - Keep away from combustible material. Do not breathe dust. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 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).	

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## 16. OTHER INFORMATION

16.1 Other Information:

**For external use only. Use only as directed. Discontinue use immediately if irritation develops.**

16.2 Terms & Definitions:

**See page 7 of this MSDS.**

16.3 Disclaimer:

**This Material 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 & Schwarzkopf's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are 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:

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16.5

Prepared by:

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## DEFINITION OF TERMS

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

### GENERAL INFORMATION:

<b>CAS No.</b>	Chemical Abstract Service Number
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### EXPOSURE LIMITS IN AIR:

<b>ACGIH</b>	American Conference on Governmental Industrial Hygienists
<b>TLV</b>	Threshold Limit Value
<b>OSHA</b>	U.S. Occupational Safety and Health Administration
<b>PEL</b>	Permissible Exposure Limit
<b>IDLH</b>	Immediately Dangerous to Life and Health

### FIRST AID MEASURES:

<b>CPR</b>	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:

<b>0</b>	Minimal Hazard
<b>1</b>	Slight Hazard
<b>2</b>	Moderate Hazard
<b>3</b>	Severe Hazard
<b>4</b>	Extreme Hazard



#### PERSONAL PROTECTION RATINGS:

<b>A</b>		<b>G</b>	  
<b>B</b>	 	<b>H</b>	   
<b>C</b>	  	<b>I</b>	  
<b>D</b>	  	<b>J</b>	   
<b>E</b>	  	<b>K</b>	   
<b>F</b>	   	<b>X</b>	Consult your supervisor or S.O.P. for special handling directions.

 Safety Glasses	 Splash Goggles	 Face Shield & Eye Protection	 Gloves
 Boots	 Synthetic Apron	 Full Suit	 Dust Respirator
 Vapor Respirator	 Dust & Vapor Respirator	 Full Face Respirator	 Airline Hood/Mask or

Note: the dotted circle indicates that this respiratory protective equipment is required for high concentrations or for large volume spills or releases of product.

#### FLAMMABILITY LIMITS IN AIR:

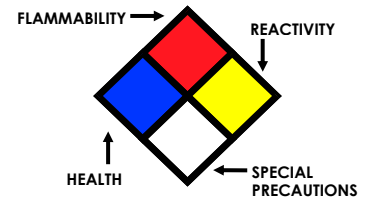
<b>Autoignition Temperature</b>	Minimum temperature required to initiate combustion in air with no other source of ignition
<b>LEL</b>	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
<b>UEL</b>	Upper Explosive Limit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

### OTHER STANDARD ABBREVIATIONS:

<b>NA</b>	Not Available
<b>NR</b>	No Results
<b>NE</b>	Not Established
<b>ND</b>	Not Determined
<b>ML</b>	Maximum Limit
<b>SCBA</b>	Self-Contained Breathing Apparatus

### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA HAZARD RATINGS:

<b>0</b>	Minimal Hazard
<b>1</b>	Slight Hazard
<b>2</b>	Moderate Hazard
<b>3</b>	Severe Hazard
<b>4</b>	Extreme Hazard
<b>ACD</b>	Acidic
<b>ALK</b>	Alkaline
<b>COR</b>	Corrosive
<b>W</b>	Use No Water
<b>OX</b>	Oxidizer











### TOXICOLOGICAL INFORMATION:

<b>LD<sub>50</sub></b>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
<b>LC<sub>50</sub></b>	Lethal concentration (gases) which kills 50% of the exposed animal
<b>ppm</b>	Concentration expressed in parts of material per million parts
<b>TD<sub>01</sub></b>	Lowest dose to cause a symptom
<b>TCLo</b>	Lowest concentration to cause a symptom
<b>TD<sub>01</sub>, LD<sub>01</sub>, &amp; LD<sub>01</sub> or TC, TC<sub>01</sub>, LC<sub>01</sub>, &amp; LC<sub>01</sub></b>	Lowest dose (or concentration) to cause lethal or toxic effects
<b>IARC</b>	International Agency for Research on Cancer
<b>NTP</b>	National Toxicology Program
<b>RTECS</b>	Registry of Toxic Effects of Chemical Substances
<b>BCF</b>	Bioconcentration Factor
<b>TL<sub>m</sub></b>	Median threshold limit
<b>log K<sub>ow</sub> or log K<sub>oc</sub></b>	Coefficient of Oil/Water Distribution









### REGULATORY INFORMATION:

<b>WHMIS</b>	Canadian Workplace Hazardous Material Information System
<b>DOT</b>	U.S. Department of Transportation
<b>TC</b>	Transport Canada
<b>EPA</b>	U.S. Environmental Protection Agency
<b>DSL</b>	Canadian Domestic Substance List
<b>NDSL</b>	Canadian Non-Domestic Substance List
<b>PSL</b>	Canadian Priority Substances List
<b>TSCA</b>	U.S. Toxic Substance Control Act
<b>EU</b>	European Union (European Union Directive 67/548/EEC)
<b>CPR</b>	Canada's Controlled Product Regulations

### EC INFORMATION:

							
<b>C</b>	<b>E</b>	<b>F</b>	<b>N</b>	<b>O</b>	<b>T+</b>	<b>Xi</b>	<b>Xn</b>
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

### WHMIS INFORMATION:

							
<b>A</b>	<b>B</b>	<b>C</b>	<b>D1</b>	<b>D2</b>	<b>D3</b>	<b>E</b>	<b>F</b>
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive