MATERIAL SAFETY DATA SHEET

IG-004

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: **IGORA OXIGENTA (30/40 VOLUME)**
1.2	Chemical Name: **HYDROGEN PEROXIDE SOLUTION**
1.3	Synonyms: **NA**
1.4	Trade Names: **NA**
1.5	Product Use: **PROFESSIONAL OR SUNDRY USE ONLY**
1.6	Distributor's Name: **SCHWARZKOPF, INC.**
1.7	Distributor's Address: **6047 BRISTOL PARKWAY, SUITE 200, CULVER CITY, 90230 USA**
1.8	Emergency Phone: **CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-3887**
1.9	Business Phone: **+1 (310) 641-4600**

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: **May be irritating to the eyes. Prolonged skin contact may cause skin irritation.**						
2.2	Routes of Entry:	Inhalation:	**YES**	Absorption:	**YES**	Ingestion:	**YES**
2.3	Effects of Exposure: **INGESTION:** May cause irritation in mouth and throat. Swallowing may cause evolution of oxygen which may cause injury by distention of the esophagus or stomach. May cause nausea, vomiting and diarrhea. **SKIN & EYES:** May cause irritation, redness, stinging and tearing. **INHALATION:** Prolonged exposure may cause irritation in nose and throat with chest discomfort, coughing and difficulty breathing.						
2.4	Symptoms of Overexposure: **Contact may cause mild eye irritation including stinging, watering and redness. May cause redness or itching on the skin at the contact site.**						
2.5	Acute Health Effects: **None reported by the manufacturer.**						
2.6	Chronic Health Effects: **No harmful or chronic health effects are expected to occur from a single accidental ingestion. No known sensitizing effect.**						
2.7	Target Organs: **Eyes & skin.**						

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m³)					
					ACGIH – ppm		OSHA - ppm			OTHER
					TLV	STEL	PEL	STEL	IDLH	
HYDROGEN PEROXIDE 50%	**7722-84-1**	**MX0887000**	**NA**	**≤ 24.0**	**(1.4)**	**NA**	**(1.4)**	**NA**	**NA**	

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.

4. FIRST AID MEASURES

4.1 First Aid:

INGESTION: **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.**

EYES: **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.**

SKIN: **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.**

INHALATION: **Remove victim to fresh air at once. Give oxygen as necessary.**

4.2 Medical Conditions Aggravated by Exposure:

None known.

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
PROTECTIVE EQUIPMENT	B

EYES	SKIN		

5. FIREFIGHTING MEASURES

5.1 Flashpoint & Method:

NA

5.2 Autoignition Temperature:

NA

5.3	Flammability Limits:	Lower Explosive Limit (LEL):	**NA**	Upper Explosive Limit (UEL):	**NA**

5.4 Fire & Explosion Hazards:

Will not burn, but decomposition, which may be caused by heat, will release oxygen which will increase the explosive limit range and burning rate of flammable vapors.

5.5 Extinguishing Methods:

Use only large quantities of water. Flood with water and use water spray to cool fire-exposed containers and structures.

5.6 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:

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

Small Spills: 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.

Large Spills: 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. Wear appropriate protective equipment including respiratory protection as conditions warrant.

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 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.**

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls: **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.**
8.2	Respiratory Protection: **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.**
8.3	Eye Protection: **Avoid eye contact. Use approved safety glasses or goggles.**
8.4	Hand Protection: **Rubber or latex gloves.**
8.5	Body Protection: **Avoid contact with skin, eyes and clothing.**

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	**1.01 – 1.05**
9.2	Boiling Point:	**NA**
9.3	Melting Point:	**0 °C**
9.4	Evaporation Rate:	**NA**
9.5	Vapor Pressure:	**ND**
9.6	Molecular Weight:	**NA**
9.7	Appearance & Color:	**Opaque, white liquid**
9.8	Odor Threshold:	**ND**
9.9	Solubility:	**Soluble in water**
9.10	pH	**3.2 – 3.4**
9.11	Viscosity:	**Slightly viscous**
9.12	Other Information:	**NA**

10. STABILITY & REACTIVITY

10.1	Stability: **Stable under normal conditions; unstable with heat or contamination. Liberation of oxygen gas may result in dangerous pressures.**
10.2	Hazardous Decomposition Products: **Oxides of carbon (CO, CO_2) and sulfur (SO_2). Liberation of gas may result in dangerous pressures.**
10.3	Hazardous Polymerization: **Will not occur.**
10.4	Conditions to Avoid: **Open flames, sparks, high heat, incompatible substances and direct sunlight.**
10.5	Incompatible Substances: **Oxidizing & reducing agents, organics, some acids, flammable materials.**

11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data: **The product has not been tested for specific toxicity data.**
11.2	Acute Toxicity: **See section 2.5**
11.3	Chronic Toxicity: **See section 2.6**
11.4	Suspected Carcinogen: **NO**
11.5	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.**
11.6	Irritancy of Product: **See Section 2.3**
11.7	Biological Exposure Indices: **NE**
11.8	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 Characteristic Waste: D003 (characteristic - reactive)**

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): **CONSUMER COMMODITY, ORM-D (VOL ≤ 5.0 L)**
14.2	IATA (AIR): **UN2984, HYDROGEN PEROXIDE, AQUEOUS SOLUTION (12%), II (IP VOL ≤ 2.5 L, OP VOL ≤ 2.5 L)**
14.3	IMDG (OCN): **UN2984, HYDROGEN PEROXIDE, AQUEOUS SOLUTION (12%), II, LTD QTY (VOL ≤ 5.0 L)**
14.4	TDGR (Canadian GND): **MARK PACKAGE "LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE (VOL ≤ 5.0 L)**
14.5	ADR/RID (EU): **UN2984, HYDROGEN PEROXIDE, AQUEOUS SOLUTION (12%), II, LTD QTY (VOL ≤ 5.0 L)**
14.6	SCT (MEXICO): **UN2984, PEROXIDO DE HIDROGENO SEN SOLUCION ACUOSO (12%), II, CANTIDAD LIMITADA (VOL ≤ 5.0 L)**

15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements: **NA**
15.2	SARA Threshold Planning Quantity: **NA**
15.3	TSCA Inventory Status: **All chemical substances of this product are listed on the TSCA inventory or are otherwise exempted from inventory status.**
15.4	CERCLA Reportable Quantity (RQ): **NA**
15.5	Other Federal Requirements: **This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).**
15.6	Other Canadian Regulations: **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.** 
15.7	State Regulatory Information: **The components of this product are not listed on the California Proposition 65 lists or other state criteria lists.**
15.8	67/548/EEC (European Union) Requirements: **The primary component of this product is listed in Annex I of EU Directive 67/548/EEC:** **Hydrogen Peroxide: Harmful (Xi), Corrosive (C): R: 8-22-41. Contact with combustible material may cause fire. Harmful if swallowed. Risk of serious damage to the eyes. S: 3-28-37-39-45. Keep in a cool place. After contact with skin, wash immediately with plenty of soap and water. Wear suitable gloves. Wear eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)** 

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 6 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: **Schwarzkopf, Inc.** **6047 Bristol Parkway, Suite 200** **Culver City, CA 90230 USA** **Tel: +1 (310) 641-4600** **Fax: +1 (310) 641-4601** **http://www.schwarzkopf.com**
16.5	Prepared by: **ShipMate, Inc.** **18436 Hawthorne Boulevard, Suite 201** **Torrance, CA 90504** **310-370-3600 phone** **310-370-5700 fax** **http://www.shipmate.com**

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:

CAS No.	Chemical Abstract Service Number

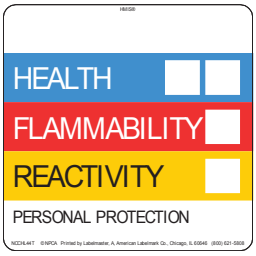
EXPOSURE LIMITS IN AIR:

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

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.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS



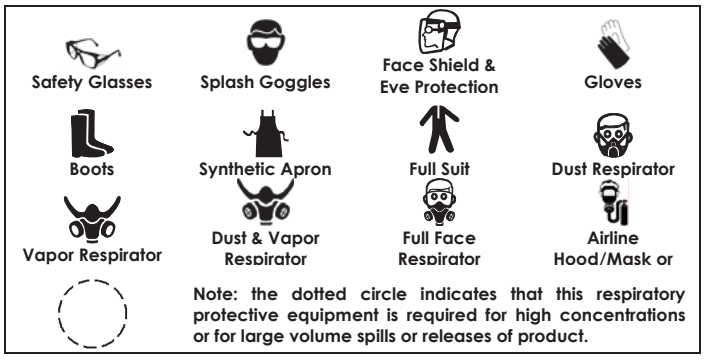
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	

G	
H	
I	
J	
K	
X	**Consult your supervisor or S.O.P. for special handling directions.**



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:

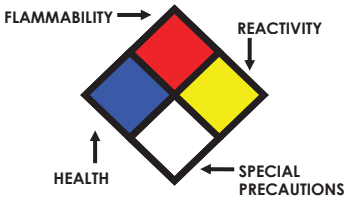
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of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

OTHER STANDARD ABBREVIATIONS:

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

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA 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



TOXICOLOGICAL INFORMATION:

LD_{50}	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s
LC_{50}	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD_{lo}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD_{lo}, LD_{lo}, & LD_o or TC, TC_o, LC_{lo}, & LC_o	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)
CPR	Canada's Controlled Product Regulations

EC INFORMATION:

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

WHMIS INFORMATION:

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