



## SECTION 1: IDENTIFICATION

GHS product identifier	KCMAX™ Maximum Keratin Smoothing Treatment
Other means of identification	None
Recommended use of the product and restrictions on use	Hair Care/Treatment: FOR USE BY PROFESSIONALS ONLY
Supplier's details	Developed for and Distributed by:
	KERATIN COMPLEX Boca Raton, Florida (U.S.A.), Tel: (561) 206-6050 <a href="http://www.keratincomplex.com">www.keratincomplex.com</a>
Emergency phone number:	For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident call <b>CHEMTREC</b> Day or Night Within USA and Canada: 1-800-424-9300

## SECTION 2: HAZARD(S) IDENTIFICATION

Classification	Skin irritation	<b>Category 2</b>	
	Skin sensitization	<b>Category 1</b>	
GHS label elements, including Precautionary Statements	Eye irritation	<b>Category 1B</b>	
	Specific target organ toxicity – single exposure	<b>Category 3</b>	
GHS label elements, including Precautionary Statements	 Warning   Warning	<b>HEALTH STATEMENT</b>	
		<p><b>Warning</b> May causes and allergic skin reaction. Causes serious eye reaction. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure. May cause respiratory irritation. This Treatment must be performed by a certified licensed stylist only and must be used with appropriate ventilation and in accordance with the manufacturer instructions to avoid adverse effects (e.g. breathing problems, headache, dizziness, nosebleeds, eye and throat irritation, burning sensations, chest pains, skin irritation and certain cancers) that may result from formaldehyde exposure (suspected of causing cancer). May cause cancer. Causes skin irritation.</p>	
		<b>PRECAUTIONARY STATEMENTS</b>	
		<i>Prevention</i>	
		Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not use this product on pregnant women, children, the elderly, chemically sensitive clients, formaldehyde sensitive individuals and clients with respiratory conditions. If you are nursing or pregnant do not use this product. Use only in a well-ventilated area. In case of inadequate ventilation wear respiratory protection. Do not breathe mist/vapor/spray. Wear suitable protective gloves, apron and eye protection. Wash hands and exposed skin areas with soap and warm water thoroughly after. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace.	
		<i>Response</i>	
		IF SWALLOWED:	Rinse mouth. Call a POISON CENTER/ doctor if you feel unwell.
		IF ON SKIN:	Wash with soap and water. Take off contaminated clothing and wash it before reuse.
		IF INHALED:	Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Specific treatment (see Section 4).
		IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists: Get medical attention.
		<i>Storage</i>	
		See Sections 7 and 10 of this SDS	
<i>Disposal</i>			
Dispose of contents/container in accordance with all federal, state and local applicable regulations.			
<b>Other hazards which do result in classification</b> Not available			

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components Chemical Identity (IUPAC)	Identification Number (CAS Number)	Other Unique Identifier (EC Number)	Concentration Range (%w/w)
Methylene Glycol	463-57-0	207-339-5	3.5 – 6.5
<p>This product contains methylene glycol. When heated, this ingredient releases formaldehyde gas. Concurrent use of this product in the same facility may increase the concentration of formaldehyde in the air, which could increase the risk of adverse effects. OSHA regulates Formaldehyde (contained in this product as Methylene Glycol) as a human carcinogen in accordance to the National Toxicology Program's (NTP) 12<sup>th</sup> Report on Carcinogens which classified it as "known to be carcinogen". Formaldehyde is also a confirmed carcinogen by both NTP and International Agency for Research on Cancer (IARC) and NTP as listed in 29CFR 1910.1200(g). See OSHA Formaldehyde Workplace Standard at 29CFR 1910.1048. For further information and review of various studies, go to <a href="http://www.osha.gov">www.osha.gov</a>, <a href="http://www.iarc.fr">www.iarc.fr</a> and other authoritative websites.</p>			

### SECTION 4: FIRST-AID MEASURES

<b>Description of necessary First-Aid measures</b>	Inhalation:	Remove individual to fresh air and keep at rest in a position comfortable for breathing.
	Skin:	Wash the contaminated skin gently and thoroughly with running water and non-abrasive soap. If irritation persists, seek medical attention.
	Eye contact:	Immediately rinse cautiously with water for several minutes keeping eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if you feel unwell.
	Ingestion:	Immediately call a Poison Center. Rinse mouth. Do not induce vomiting. Seek medical attention immediately.
	<i>General Advice:</i> If you have significant concerns please consult a physician, show this data sheet to the doctor in attendance.	
<b>Most important symptoms/effects</b>	Not available	
<b>Indication of immediate medical attention and special treatment needed if necessary</b>	Not available	

### SECTION 5: FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media:</b>	Not available
<b>Specific hazards arising from the product combustion:</b>	May produce toxic fumes of carbon monoxide if burning.
<b>Hazardous thermal decomposition products:</b>	Not available
<b>Special protective precautions and equipment for fire-fighters:</b>	Not available

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Wear disposable gloves (recommended). Wear eye safety glasses (optional).
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<b>Environmental Precautions</b>	Not available	
<b>Methods and materials for containment and cleaning up</b>	For Small Spills <i>e.g.,</i> < 1 gallon (3.8L)	Removed spilled material with absorbent material and place it into appropriate closed container(s) for disposal. Dispose in accordance with local, state and federal regulations.
	For Large Spills <i>e.g.,</i> > 1 gallon (3.8L)	Provide diking and contain with non-combustible inert material (e.g., sand or earth) to keep material from spreading. Transfer diked material to containers for recovery or disposal and solid diking material to separate containers for proper disposal according to local regulations (see Section 13). Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

## SECTION 7: HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Protective measures:	Use in a well-ventilated area and only as directed. Put on appropriate personal protective equipment (see Section 8). Avoid contact with eyes.
	Advice on general occupational hygiene:	Avoid prolonged contact with product. Wash hands after use. See also Section 8 for additional information on hygiene measures.
<b>Conditions for safe storage, including any incompatibilities</b>	Store locked up, upright at room temperature in a well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from incompatible and combustible materials (see Section 10). Do not store in direct sunlight. Avoid Freezing. Keep away from heat or flames.	

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Control Parameters</b>	<i>Chemical Identity (IUPAC)</i>	<i>Occupational Exposure Limit</i>		<i>Source</i>
	Formaldehyde	PEL	0.75 PPM at 8H TWA	OSHA 29CFR1910.1048
		STEL	2 PPM for 15Min	
		Action Level	0.5 PPM at 8H TWA	
<b>Appropriate Engineering Controls</b>	Local exhaust ventilation is strongly recommended. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.			
<b>Individual Protection Measures, such as Personal Protective Equipment (PPE)</b>	Eye protection:	Safety glasses (recommended).		
	Skin protection:	Disposable gloves.		
	Respiratory protection:	NIOSH approved organic vapors respirator with cartridges and/or canisters specially approved for protection against Formaldehyde is highly recommended.		
	Thermal hazards:	Not relevant		

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	White to Ivory
Odor	Match Pattern
Melting point/freezing point	Not available
Boiling point	Not available
Flammability	Not relevant – Not flammable
Lower and upper explosion limit/flammability limit	Not relevant
Flash point	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
pH at 25°C	3.0 – 4.0
Viscosity at 25°C	300 – 2,000 cps
Solubility	Soluble in water
Partition coefficient: n-octanol/water (log value)	Not available
Vapor pressure	Not available
Relative density	Not available
Relative vapor density	Not available
Particle characteristics	Not relevant – Liquid form

## SECTION 10: STABILITY AND REACTIVITY

Reactivity	Not available.
Chemical Stability	Product is stable under normal ambient storage conditions of temperature and pressure.
Possibility of Hazardous Reactions	Not relevant – product is stable under normal ambient storage conditions of temperature and pressure.
Conditions to Avoid	Do not burn or freeze. Avoid excessive heat and direct sunlight.
Incompatible materials	Not available
Hazardous decomposition products	Carbon Monoxide, Carbon Dioxide if burned.

## SECTION 11: TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure	Skin and Eye	
Symptoms related to the Physical, Chemical and Toxicological Characteristics	Irritating to skin and eyes	
Delayed and immediate effects and also chronic effects from Short and Long Term Exposure	May cause cancer	
Numerical measures of Toxicity	Not available	
Interactive effects	Not available	

## SECTION 12: ECOLOGICAL INFORMATION

<b>Toxicity</b>	Not available
<b>Persistence and Degradability</b>	Not available
<b>Bioaccumulative potential</b>	Not available
<b>Mobility in soil</b>	Not available
<b>Other Adverse Effects</b>	Not available

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>Disposal methods</b>	Dispose of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Care should be taken when handling emptied containers that have not been cleaned or rinse out. Dispose according to Federal, State, and local regulations regarding health, air, and water pollution.
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## SECTION 14: TRANSPORT INFORMATION

<b>Un Number</b>	Not relevant – Not regulated
<b>UN Proper Shipping Name</b>	Not relevant – Not regulated
<b>Transport Hazard Class</b>	Not relevant – Not regulated
<b>Packing Group</b>	Not relevant – Not regulated
<b>Environmental Hazards</b>	Not relevant – Not regulated
<b>Special Precautions for user</b>	Do not heat or freeze: <i>(Best-suggested environmental conditions for transport: 25°C ± 2° Celsius and 60% ± Relative Humidity)</i>

## SECTION 15: REGULATORY INFORMATION

<b>Safety, Health and Environmental Regulations specific for the product in question</b>	Regulated as a Cosmetic under FDA (US)
	<p>UNITED STATES OF AMERICA: <i>Federal</i></p> <p>Methylene Glycol (as formalin) is on the following state criteria lists: California, Massachusetts, New Jersey, Pennsylvania, and Rhode Island. When used as directed, this product releases trace amounts of formaldehyde.</p> <p><i>California</i></p> <p>WARNING: Formaldehyde is a chemical known to the State of California to cause cancer.</p>

## SECTION 16: OTHER INFORMATION

<b>Date of preparation of the SDS</b>	
April 9, 2019	
<b>Key/legend to abbreviations and acronyms used in the SDS.</b>	
ACGIH	American Conference of Governmental Industrial Hygienist
ADR	The European Agreement concerning the International Carriage of Dangerous Goods by Road
°C	Degrees Celsius
CAS	Chemical Abstract Service
CEPA	Canadian Environmental Protection Act
CFR	Code of Federal Regulations
Cps	Centipoises
EC	European Community
EEC	European Economic Community
e.g.	Meaning "for example." It is short for the Latin <i>exempli gratia</i> , "for the sake of example."
FDA	Food and Drug Administration
GHS	Globally Harmonized System
HPB	Health Protection Branch
HSIS	Hazardous Substances Information System
IATA	International Air Traffic Association
IUPAC	International Union of Pure and Applied Chemistry
IMDG	International Maritime Dangerous Goods
mg/m <sup>3</sup>	Milligrams per cubic meter
OSHA	Occupation Safety & Health Administration
PEL	Permissible Exposure Limit
PIF	Product Information File
Ppm	Parts Per Million
Ref	Reference
Vol.	Volume
TWA	Time Weighted Average
UN	United Nations
<b>Literature references.</b>	
<ul style="list-style-type: none"> <li>Globally Harmonized System of Classification and Labeling of Chemicals (GHS), Sixth revised edition, United Nations, New York and Geneva, 2017 ST/SG/AC.10/30/Rev.7</li> </ul>	
<b>Sources for data</b>	
<ul style="list-style-type: none"> <li>European Commission Database For Information On Cosmetics Substances And Ingredients (CosIng)</li> <li>United States Of America's National Library Of Medicine's Toxicology Data Network (TOXNET)</li> <li>The European Agreement Concerning The International Carriage Of Dangerous Goods By Road, United Nations, New York And Geneva, 2016, ECE/TRANS/257(ADR)</li> <li>Safe Work Australia, Hazardous Substances Information System (HSIS)</li> <li>International Air Transport Association, Dangerous Goods Regulations (IATA)</li> <li>The National Institute for Occupational Safety and Health (NIOSH) – website address: <a href="https://cdc.gov/niosh">https://cdc.gov/niosh</a></li> <li>Haz-Map® Occupational Health Database, U.S. National Library of Medicine. Information on Hazardous Chemicals and Occupational Diseases by Jay A. Brown, M.D., M.P.H. - website address: <a href="https://hazmap.nlm.nih.gov">https://hazmap.nlm.nih.gov</a></li> </ul>	

**GHS Pictograms**



GHS01  
Explosive



GHS02  
Flammable



GHS03  
Oxidizer



GHS04  
Pressurized



GHS05  
Corrosive



GHS06  
Toxic



GHS07  
Harmful Irritating



GHS08  
Health Hazard



GHS09  
Environment

**Precautionary pictograms** From European Union  
(COUNCIL DIRECTIVE 92/58/EEC of 24 June 1992)



Eye protection



Respiratory equipment



Face protection



Safety overalls



Safety boots

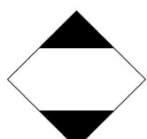


Safety gloves

**ADR**, Annex A General provisions and provisions concerning dangerous substances and articles; Classification; Class Specific Provisions



Class 5.1 HAZARD  
Oxidizing Substances



Limited Quantities  
Except For Air Transport



Limit Quantities by Air

**Declaration**

Keratin Complex believes that the information contained in this SDS is correct as of its last revision date (same as listed above). However, because conditions and usage methods of our products are beyond Keratin Complex control, of or in ways we cannot anticipate, we give no warranty, expressed or implied, as to accuracy of the information and assume no responsibility for any damage to person, property or business arising from such use. Moreover, it is the responsibility of the purchaser or user of this product to ensure that is properly and safely used. This SDS does not replace any other document, such as instructional leaflets or inserts. Under no circumstances does it constitute an exemption from the obligation to know and apply all the regulations governing its activity. This SDS replaces all previous versions of this product's SDS.

**End SDS.**