Safety Data Sheet

KERATINCOMPLEX®

SECTION 1: IDENTIFICATION

GHS product identifier	Keratin Complex® 20Vol. Developer	
Other means of identification	None	
Recommended use of the product and restrictions on use	Hair Care/Treatment: **FOR USE BY CERTIFIED PROFESSIONALS ONLY**	
Supplier's details	Developed for and Distributed by: KERATIN COMPLEX Boca Raton, Florida (U.S.A.), Tel: (561) 206-6050 www.keratincomplex.com	Authorized Joint Holder of EU PIF: Bruce Green Ltd. Northampton, NN6 7PD
Emergency phone number:	For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident **call CHEMTREC** Day or Night Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-527-3887	

SECTION 2: HAZARD(S) IDENTIFICATION

Classification	Not relevant – Non hazardous
GHS label elements, including Precautionary Statements	***HEALTH STATEMENT***
	Not relevant – Non hazardous
	PRECAUTIONARY STATEMENTS
	Prevention
	Not relevant – Non hazardous
	Response
	Not relevant – Non hazardous
	Storage
	See Sections 7 and 10 of this SDS
	Disposal
	Dispose of contents/container in accordance with all federal, state and local applicable regulations.
Other hazards which do result in classification	Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components **Chemical Identity** (IUPAC)	**Identification Number** (CAS Number)	**Other Unique Identifier** (EC Number)	**Concentration Range** **(%$^{w}/_{w}$)**
Hydrogen Peroxide	7722-84-1	231-765-0	4 - 6

SECTION 4: FIRST-AID MEASURES

Description of necessary First-Aid measures	Inhalation:	Remove individual to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if you feel unwell.
	Skin:	Wash the contaminated skin gently and thoroughly with running water and non-abrasive soap.
	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.
	General Advice: If you have significant concerns please consult a physician, show this data sheet to the doctor in attendance.	
Most important symptoms/effects	Acute:	Not available
	Delayed:	Not available
Indication of immediate medical attention and special treatment needed if necessary	Notes to physician:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Specific Treatments:	Not available
	Protect of first-aiders:	Use protective equipment (Section 8)

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Use an extinguishing agent suitable for the surrounding fire.	
Unsuitable extinguishing media:	Not available	
Specific hazards arising from the product combustion:	If heated, a pressure increase will occur and the container may burst.	
Hazardous thermal decomposition products:	May produce toxic fumes of carbon monoxide if burning.	
Special protective precautions and equipment for fire-fighters:	Protective precautions:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Protective equipment:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	For non-emergency personnel:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal equipment.
	For emergency responders:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental Precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).	
Methods and materials for containment and cleaning up	For Small Spills *e.g., < 1 gallon (3.8L)*	Wear appropriate personal protective equipment (e.g., safety glasses, apron, and nitrile gloves). Maximize ventilation (open doors and windows) Removed spilled material with non-combustible absorbent material and place it into appropriate closed container(s) for disposal. Dispose 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.
	For Large Spills *e.g., > 1 gallon (3.8L)*	Deny area access to all unprotected individuals. 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). Remove contaminated clothing promptly and wash affected skin areas with mild soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

SECTION 7: HANDLING AND STORAGE

FOR USE BY CERTIFIED PROFESSIONALS ONLY		
Precautions for safe handling	Protective measures:	Put on appropriate personal protective equipment (see Section 8).
	Advice on general occupational hygiene:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Separate from reducing agents and combustible materials.	

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters	*Chemical Identity (IUPAC)*	*Occupational Exposure Limit*	*Source*
	Hydrogen Peroxide	TWA 1 ppm (1.4 mg/m^3)	OSHA PEL
Appropriate Engineering Controls	Good general ventilation should be sufficient to control exposure to airborne contaminants.		
Environmental Exposure Controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.		
Individual Protection Measures, such as Personal Protective Equipment (PPE)	Hygiene measures:	When using do not eat, drink or smoke. Avoid contact with eyes, skin and clothing.	
	Eye / face protection:	Wear safety glasses (optional)	
	Skin protection	Hand protection:	Wear suitable gloves
		Body protection:	Wear suitable protective clothing
		Other skin protection:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling the product.
	Respiratory protection:	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.	
	Thermal hazards:	Not relevant	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	White
Odor	Odorless
Melting point/freezing point	Not available
Boiling point	>100ºC(>212ºF)
Flammability	Not relevant – Not flammable
Lower and upper explosion limit/flammability	Not relevant
Flash point	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
pH at 25^{0}C	2.5 – 3.5
Viscosity at 25^{0}C	1,000 – 3,000 cps
Solubility	Soluble in water
Partition coefficient: n-octanol/water (log value)	Not available
Vapor pressure	Not available
Relative density	1
Relative vapor density	Not available
Particle characteristics	Not relevant – Liquid

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	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid	Not available.
Incompatible materials	Not available.
Hazardous decomposition products	Under normal conditions of storage use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological effects:	Acute toxicity:	Not available					
	Irritation / Corrosion:	Hazardous Components **Chemical Identity** (IUPAC)	Results	Species:	Score	Exposure	Observation
		Hydrogen Peroxide	Eyes: Severe irritant	Rabbit	-	1 mg	-
	Sensitization:	Not available					
	Mutagenicity:	Not available					
	Carcinogenicity:	Classification:	Hazardous Components **Chemical Identity** (IUPAC)	OSHA	IARC	NTP	
			Hydrogen Peroxide	-	3	-	
	Reproductive toxicity:	Not available					
	Teratogenicity:	Not available					
	Specific target organ toxicity (single exposure):	Not available					
	Specific target organ toxicity (repeated exposure):	Not available					
	Aspiration hazard:	Not available					
Information on the likely routes of exposure	Skin exposure:	No known significant effects or critical hazards.					
Symptoms related to the Physical, Chemical and Toxicological Characteristics	Eye contact:	Adverse symptoms may include the following: pain or irritation, watering, redness.					
	Inhalation:	Not available					
	Skin contact:	Not available					
	Ingestion:	Not available					
Delayed and immediate effects and also chronic effects from Short and Long Term Exposure	Short term exposure:	Potential immediate effects: Not available Potential delayed effects: Not available					
	Long term exposure:	Potential immediate effects: Not available Potential delayed effects: Not available					
	Potential chronic health effects:	General: Not available Carcinogenicity: Not available Mutagenicity: Not available Teratogenicity: Not available Developmental effects: Not available Fertility effects: Not available					
Numerical measures of Toxicity	Acute toxicity estimates:	Not available					

SECTION 12: ECOLOGICAL INFORMATION

	Hazardous Components **Chemical Identity** (IUPAC)	Result	Species	Exposure
Toxicity	Hydrogen Peroxide	Acute EC50 1.2mg/L Marine water	Algae Dunaliella tertiolecta Exponential growth phase	72 hours
		Acute EC50 5.38mg/L Fresh water	Algae Pseudokirchneriella subcapitata	96 hours
		Acute EC50 2320µg/L Fresh water	Daphnia Daphnia magna Neonate	48 hours
		Acute EC50 93ppm Fresh water	Fish Oncorhynchus mykiss	96 hours
		Chronic NOEC50 989.7ppm Fresh water	Fish Ocorhynchus tshawytscha Egg	43 days

Persistence and Degradability	Not available			
Bioaccumulative potential	Hazardous Components **Chemical Identity** (IUPAC)	$LogP_{ow}$	BCF	Potential
	Hydrogen Peroxide	-1.36	-	low
Mobility in soil	Soil/water partition coefficient (K_{oc}): Not available			
Other Adverse Effects	Not available			

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods	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.

SECTION 14: TRANSPORT INFORMATION

Un Number	Not relevant – Not regulated
Un Proper Shipping Name	Not relevant – Not regulated
Transport Hazard Class	Not relevant – Not regulated
Packing Group	Not relevant – Not regulated
Environmental Hazards	Not relevant – Not regulated
Transport In Bulk	Not relevant – Not regulated
Special Precautions	Not relevant – Not regulated

SECTION 15: REGULATORY INFORMATION

Safety, Health and Environmental Regulations specific for the product in question	Regulated as a Cosmetic under FDA (US), HPB (Canada), Cosmetic Regulation (EU)	
	UNITED STATES OF AMERICA:	
	Federal	All of the ingredients in the formulation are compliant with the Federal Food, Drug, and Cosmetics Act (FDA) and this product is safe to be used by professional hair dressers previously trained and certified to use this product.
	California	This product is not subject to warning labeling under California Proposition 65
	CANADA: All ingredients are CEPA approved for import to Canada.	
	EUROPE: All of the ingredients in the formulation are compliant with European Commission Health and Consumers Cosmetics - CosIng current Regulations/Directives	
	AUSTRALIA: All of the ingredients where evaluated in part under HSIS.	

SECTION 16: OTHER INFORMATION

Date of preparation of the SDS	
April 15, 2019	
Key/legend to abbreviations and acronyms used in the SDS.	
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 exempli gratia, "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^3	*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*
Literature references.	
• Globally Harmonized System of Classification and Labeling of Chemicals (GHS), Seventh revised edition, United Nations, New York and Geneva, 2017 ST/SG/AC.10/30/Rev.7	
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Sources for data	
• European Commission Database For Information On Cosmetics Substances And Ingredients (CosIng) • United States Of America's National Library Of Medicine's Toxicology Data Network (TOXNET) • The European Agreement Concerning The International Carriage Of Dangerous Goods By Road, United Nations, New York And Geneva, 2016, ECE/TRANS/257(ADR) • Safe Work Australia, Hazardous Substances Information System (HSIS) • International Air Transport Association, Dangerous Goods Regulations (IATA) • The National Institute for Occupational Safety and Health (NIOSH) – website address: https://cdc.gov/niosh	
• 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: https://hazmap.nlm.nih.gov	

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

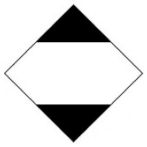

Safety overalls


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.