


SECTION 1: IDENTIFICATION

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|---|--|--|
| GHS product identifier | Keratin Complex® 30Vol. 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 | Oxidizing Liquids Category 3 | |
| GHS label elements, including Precautionary Statements |  Warning | HEALTH STATEMENT |
| | | Warning May intensify fire; oxidizer |
| | | PRECAUTIONARY STATEMENTS |
| | | <i>Prevention</i> |
| | | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| | | Keep away from clothing and other combustible materials. |
| | | Wear suitable protective gloves and apron. |
| | | Wash hands thoroughly after handling. |
| | | <i>Response</i> |
| | | IN CASE OF FIRE: Use an extinguishing agent suitable for the surrounding fire. |
| | | <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. | | |
| 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 | 7 - 9 |

SECTION 4: FIRST-AID MEASURES

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| 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. |
| | <i>General Advice:</i> If you have significant concerns please consult a physician, show this data sheet to the doctor in attendance. | |
| Most important symptoms/effects | Acute: | Overexposure if direct contact with eyes may causes severe damage, redness, itching and watering. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, dermatitis) in some sensitive individuals. |
| | 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

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| Suitable extinguishing media: | Use an extinguishing agent suitable for the surrounding fire. | |
| Unsuitable extinguishing media: | Not available | |
| Specific hazards arising from the product combustion: | Oxidizing liquid; may intensify fire. 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

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| 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 <i>e.g.,</i> <i>< 1 gallon</i> <i>(3.8L)</i> | 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 <i>e.g.,</i> <i>> 1 gallon</i> <i>(3.8L)</i> | 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). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep away from clothing, incompatible materials (see Section 10) and combustible materials. Keep away from heat. |
| | 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

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|---|------------------------------|
| Physical State | Liquid |
| Color | White |
| Odor | Odorless |
| Melting point/freezing point | Not available |
| Boiling point | >100°C(>212°F) |
| 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°C | 2.5 – 3.5 |
| Viscosity at 25°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

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| Reactivity | Not available. |
| Chemical Stability | Product is stable under normal ambient storage conditions of temperature and pressure. |
| Possibility of Hazardous Reactions | Risk of intensifying a fire may occur if product comes to contact with combustible materials. |
| Conditions to Avoid | Keep protected from direct sunlight, excessive heat or ignition source in a cool place. Do not burn or freeze. |
| Incompatible materials | Reducing agents, metal and combustible materials. |
| 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 | Results | Species: | Score | Exposure | Observation |
| | | Chemical Identity (IUPAC) | | | | | |
| | | Hydrogen Peroxide | Eyes: Severe irritant | Rabbit | - | 1 mg | - |
| | Sensitization: | | Not available | | | | |
| | Mutagenicity: | | Not available | | | | |
| | Carcinogenicity: | Classification: | Hazardous Components | OSHA | IARC | NTP | |
| | | | Chemical Identity (IUPAC) | | | | |
| | | | 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

| | | | | | | | | |
|--------------------------------------|--|------------------------|--------------|-------------------------|---------------------------------|--------------------------|----------|-------|
| Toxicity | Hazardous Components Chemical Identity (IUPAC) | Result | | Species | | | Exposure | |
| | 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

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|-------------------------|---|
| 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

| | DOT | TDG | Mexico | ADR/RID | IMDG | IATA-DGR |
|-------------------------------|---|---|---|---|---|---|
| Un Number | UN2984 | UN2984 | UN2984 | UN2984 | UN2984 | UN2984 |
| Proper Shipping Name | Hydrogen peroxide, aqueous solutions | HYDROGEN PEROXIDE AQUEOUS SOLUTION | PEROXIDO DE HIDROGENO EN SOLUCION ACUOSA | HYDROGEN PEROXIDE AQUEOUS SOLUTION | HYDROGEN PEROXIDE AQUEOUS SOLUTION | Hydrogen peroxide, aqueous solutions |
| Transport Hazard Class |  |  |  |  |  |  |
| Packing Group | III | III | III | III | III | III |
| Environmental Hazards | Not available | | | | | |
| Transport In Bulk | Not available | | | | | |
| Special Precautions | Do not heat or freeze: (Best-suggested environmental conditions for transport: 25°C ± 2° Celsius and 60% ± Relative Humidity) | | | | | |
| ADDITIONAL INFORMATION | | | | | | |
| DOT Classification | Limited quantity | | Packaging instruction | | Special provisions A1, IB2, IP5, T4, TP1, TP6, TP24, TP37 | |
| | Yes | | <i>Passenger aircraft</i> | | | |
| | | | Quantity limitation: 2.5 L | | | |
| | | | <i>Cargo aircraft</i> | | | |
| TDG Classification | Explosive Limit and Limit Quantity Index | | | Passenger Carrying Road or Rail Index | | |
| | 5 | | | 2.5 | | |
| Mexico Classification | Special provisions | | | | | |
| | 65 | | | | | |
| ADR/RID | Hazard identification number | | Limited quantity | | Special provisions | Tunnel code |
| | 50 | | LQ13 | | 65 | (E) |
| IMDG Class | Emergency schedules (EmS) | | | | | |
| | F-H, S-Q | | | | | |
| IATA-DGR Class | Passenger and Cargo Aircraft | | Cargo Aircraft Only | | Limited Quantities – Passenger Aircraft | |
| | Quantity limitation: 2.5 L | | Quantity limitation: 30 L | | Quantity limitation: 1 L | |
| | Packaging instructions: 514 | | Packaging instructions: 515 | | Packaging instructions: Y514 | |

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: |
| | <i>Federal</i> 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. |
| | <i>California</i> 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

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|--|---|
| 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 <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 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. | |
| <ul style="list-style-type: none"> 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 | |
| Sources for data | |
| <ul style="list-style-type: none"> 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

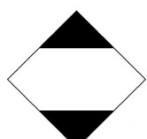


Safety gloves

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.