



SECTION 1: IDENTIFICATION

GHS Product identifier	Firm Hold Hairspray
Other means of identification	None
Recommended use of the product and restrictions on use	Leave – in Hair Care
Supplier's details	Developed for and Distributed by: KERATIN COMPLEX Boca Raton, Florida (U.S.A.), Tel: (561) 206-6050 www.keratincomplex.com
Emergency phone number:	(888) 409-4445 Available Monday through Friday from 9AM to 5PM (UTC – 05:00 / Eastern Time / US)

SECTION 2: HAZARD(S) IDENTIFICATION

Classification	EXTREMELY FLAMMABLE AEROSOL – Category 1 SERIOUS EYE DAMAGE / EYE IRRITATION – Category 2A This material is considered hazardous by OSHA Hazard Communication Standard (29 CFR 1910.1200).	
GHS label elements, including precautionary statements	Hazard pictograms	 
	Signal Word	Danger
	Hazard statements	Extremely flammable aerosol Pressurized container: May burst if heated. Causes serious eye irritation.
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)
Alcohol Denatured	64-17-5	200-578-6	50 – 55%

SECTION 4 – FIRST-AID MEASURES

Description of necessary first-aid measures	Inhalation:	Move affected person to fresh air.
	Skin:	Remove contaminated clothing and shoes. Wash with plenty of soap and water.
	Eyes:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
	Ingestion:	Do not ingest. Do not induce vomiting. Treat symptomatically. Never give anything by mouth to an unconscious person. Seek prompt medical attention.
	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 and delayed	Not available	
Indication of immediate medical attention and special treatment needed if necessary	Not available	

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use alcohol-resistant foam, dry chemical or carbon dioxide. Do not use water spray.
Specific hazards arising from combustion products	May produce toxic fumes of carbon dioxide, carbon monoxide, nitrogen oxides, halogenated compounds and carbonyl halides from thermal decomposition.
Special actions for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SBCA) with a full face-piece operated in positive pressure mode. Use water spray to keep fire-exposed containers cool.

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. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist.
	For emergency responders Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SBCA) with a full face-piece operated in positive pressure mode.
Environmental precautions	Avoid dispersal of spilled material, 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 clean up	For small spills: Use inert material to absorb liquid. Place waste in a chemical waste container.
	For large spills: Provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean area as appropriate since some silicone material, even in small quantities, may present a slip hazard. Final cleaning may require steam, solvents, or detergents. Observe all personal protection equipment recommendations described in Sections 5 and 8 of this SDS. Observe all Federal, Provincial and local regulations that may apply to the cleanup of this material. Sections 13 and 15 of this SDS provide information regarding any (if applicable) requirements.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling	Protective Measures Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C / 122°F. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes and clothing. Avoid breathing gas, vapor or mist. Use only with adequate ventilation (normal salon ventilation). Store and use away from heat, sparks, open flames or any other ignition source.
	Advice on general occupational hygiene Eating, drinking and smoking should be prohibited in work areas. Remove contaminated clothing and protective equipment before entering eating areas.
Conditions for safe storage, including any incompatibilities	Store upright away from direct sunlight in a dry, cool and well-ventilated area. Avoid flammability hazards such as potential ignition sources. Store upright and at room temperature in well-ventilated place. Do not expose to temperatures exceeding 50°C / 122°F.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters	UNITED STATES OF AMERICA	
	Hazardous Ingredient Chemical identity	Exposure Limits
<i>Alcohol Denatured</i>	ACGIH TLV	STEL: 1000 ppm 15 minutes
	NIOSH REL	TWA: 1000 ppm 10 hours TWA: 1900 mg/m ³ 10 hours
	OSHA PEL	TWA: 1000 ppm 8 hours TWA: 1900 mg/m ³ 10 hours
Appropriate engineering controls	Use local exhaust with only adequate ventilation	
Individual protection measures, such as personal protective equipment	Good Occupational Hygiene Practices When using do not eat, drink or smoke.	
	Eye/face protection Optional: safety glasses	
	Skin protection Optional: rubber gloves	
	Respiratory protection Standard ventilation	

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES AND SAFETY CHARACTERISTICS

Physical State	Particle free liquid
Color	Clear, slightly yellow
Odor	Match Standard
Melting point/freezing point	Not available
Boiling Point	Not available
Flammability	Not available
Melting Point / Freezing Point	Not available
Lower and upper explosion limit/flammability limit	Not available
Flash Point	Closed cup: 13°C (55.4°F)
Auto-Ignition Temperature	Not available
Decomposition temperature	Not available
pH @ 25°C	8.0 – 9.0
Viscosity @ 25°C	Not available
Solubility	Not available
Partition Coefficient	Not available
Vapor Pressure	Not available
Relative Density	Not available
Relative Vapor Density	Not available
Particle characteristics	Not available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Not available
Chemical stability	Product is stable under normal ambient storage conditions of temperature and pressure. Unstable with heat.
Possibility of hazardous reactions	Not relevant – product is stable under normal ambient storage conditions of temperature and pressure.
Conditions to avoid	Avoid all possible sources of ignition (spark or flames), high heat, incompatible substances and direct sunlight.
Incompatible materials	Not available
Hazardous decomposition products	Not available

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure	Not available – Finished product when administered by trained professional and as instructed pose no toxic hazard.	
Symptoms related to the physical, chemical and toxicological characteristics	Not available	
Delayed and immediate effects and chronic effects from short- and long-term exposure	Not available	
Numerical measures of toxicity	Not available	

Eye Irritation			
Hazardous Ingredient Chemical identity	Result	Species	Exposure
Ethyl alcohol	Eyes – Mild irritant	Rabbit	24 Hours 500 mg
	Eyes – Moderate irritant	Rabbit	0.067 minutes 100 mg

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity			
Hazardous Ingredient Chemical identity	Result	Species	Exposure
Ethyl alcohol	Acute EC50 17.921 mg/L Marine water	Algae - Ulva pertusa	96 Hours
	Acute EC50 2000 µg/L Fresh water	Daphnia - Daphnia magna	48 Hours
	Acute LC50 25500 µg/L Marine water	Crustaceans – Artemia franciscana - Larvae	48 Hours
	Acute LC50 42000 µg/L Fresh water	Fish - Oncorhynchus mykiss	4 Days
	Chronic NOEC 4.995 mg/L Marine water	Algae - Ulva pertusa	96 Hours
	Chronic NOEC 0.375 ul/L Fresh water	Fish - Gambusia holbrooki -	12 Weeks

Hazardous Ingredient Chemical identity	LogP_{ow}	Potential
Ethyl alcohol	- 0.35	Low

Persistence and degradability	Not available
Bio accumulative potential	Not available
Mobility in soil	Not available
Other adverse effects	Not available

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods	Do not contaminate food or feed by storage or disposal. Do not reuse empty container. Wrap empty container and throw in trash collection. Dispose of according to Federal, State, and local regulations regarding health, air, and water pollution. Do not discharge into waterways or sewer system without proper authority.
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SECTION 14 - TRANSPORT INFORMATION

Un number	UN 1950
Un proper shipping name	Aerosols
Transport Hazard Class(es)	2.1
Packing group	Not available
Environmental hazards	Not available
Transport in bulk	Not available
Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises	Not available

NFPA Ratings: Health: 2 Flammability: 4 Reactivity: 0 Other information: N/A



Finished packaged product transported by ground (**DOT**):

Limited quantity; Packaging Instruction:
 Passenger aircraft; Quantity Limitation: 75 kg
 Cargo aircraft; Quantity limitation: 150 kg



Special provisions: _____

Finished packaged product transported by vessel (**IMDG**):

Emergency schedules (EmS): F-D, S-U
 Special provisions: 63, 190, 277, 327, 959



Finished packaged product transported by air (**IATA**):

Passenger and Cargo Aircraft:
 Quantity limitation: 75 kg
 Packaging instructions: 203
 Cargo Aircraft Only:
 Quantity limitation: 150 kg
 Packaging instructions: 203
 Limited Quantities:
 Passenger Aircraft: Quantity limitation: 30 kg
 Packaging instructions: Y203
 Special provisions: A145



Do not Freeze

SECTION 15 - REGULATORY INFORMATION

<p>Safety, Health and Environmental Regulations specific for the product in question</p>	<p style="text-align: center;">Regulated as a Cosmetic under FDA (US)</p> <p style="text-align: center;">UNITED STATES OF AMERICA:</p> <p style="text-align: center;"><i>Federal</i></p> <p>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 hairdressers previously trained and certified to use this product.</p> <p style="text-align: center;"><i>California</i></p> <p>This product is not subject to warning labeling under California Proposition 65</p>
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SECTION 16 - OTHER INFORMATION

Date of preparation of the SDS	
August 16, 2019	
Key/legend to abbreviations and acronyms used in the SDS.	
ACGIH	American Conference of Governmental Industrial Hygienist
°C	Degrees Celsius
CAS	Chemical Abstract Service
CFR	Code of Federal Regulations
Cps	Centipoises
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) 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

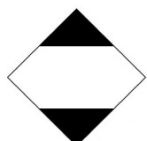


Safety gloves

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.