

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**Manufacture Identification:**

Chemco Corporation
4920 NW 165th Street
Miami, FL 33014, United States of America
Telephone Number: 1-305-623-4445
International Number: 1-352-323-3500
Emergency Telephone Number: 1-800-535-5053

Product Name:

KERAGEN HAIR SMOOTHING TREATMENT 2%

SECTION 2 -HAZARD IDENTIFICATION**Statement of Hazardous Nature**

NFPA Ratings: Health: 3 Flammability: 2 Reactivity: 0 Personal Protection: G

Carcinogen or potential carcinogen: Formaldehyde is a known human carcinogen (IARC & NTP). Repeated or prolonged exposure increases the cancer risk.

Safety: Avoid eye contact. Avoid breathing vapors. Avoid direct skin contact.

Emergency Overview

This product is intended to be used only by licensed professional hair dressers. The professional should be aware of this MSDS and how to act in case of emergency. This substance may be toxic to kidneys, liver, skin, central nervous system. Repeated or prolonged exposure can produce target organ damage. Repeated exposure to highly toxic material may produce general deterioration of health by an accumulation in one or more human organs.

Warning!

Very hazardous in case of eye contact or ingestion. Hazardous in case of skin contact. Severe over-exposure can result in death.

Major Health Hazards

Eye, Skin and respiratory irritant

Potential Health effects

The following information summarized human experiences and results of scientific investigations reviews by health professionals for hazard evaluation and development of Precautionary Measures and Occupational Control Procedures recommended in this document.

- 1. Skin irritant:** Slightly hazardous in case of skin contact (Corrosive, irritant, sensitizer, permeator).
- 2. Inhalation:** Causes respiratory tract irritation. May cause central nervous system depression, characterized by nausea, headache, unconsciousness and coma. May cause allergic sensitization of the respiratory tract.
- 3. Eyes:** Corrosive to eye. Eye irritant. Causes eye burns. Inflammation of the eye is characterized by redness, watering, itching.

- 4. Ingestion:** May be corrosive to digestive tract; may cause burns to the digestive tract. May cause liver damage. May cause kidney damage. May cause central nervous system depression. May be fatal or cause blindness if swallowed.

Chronic:

CARCINOGENIC EFFECTS: Product contains formaldehyde, which is classified A2 (suspected carcinogen for human) by ACGIH and A2 (probable carcinogen for human) by IARC.

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Description (Raw Material Name)	CAS Number	OSHA PEL	ACGIH TLV (TWA)	OTHER LIMITS RECOMMENDED
Formaldehyde	50-00-0	0.75 parts per million (ppm)	0.75 STEL	-

The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equaled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

SECTION 4 -EMERGENCY AND FIRST AID PROCEDURES

- 1- Skin:** Discontinue use of product. Apply cold compresses to affected areas to relieve any discomfort. If discomfort persists, you should contact a physician.
- 2 - Eyes:** Check for and remove contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, holding eyelids open. Seek medical attention immediately.
- 3 - Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.
- 4 - Ingestion:** Do not induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. Loosen tight clothing, such as tie, collar, belt, and waistband. Seek medical attention immediately.

Notes to Physician:

Treat symptomatically and supportively.

SECTION 5 - FIRE PROTECTION AND FIRE FIGHTING INFORMATION

Flash Point: N/A

Flammable limits: N/A

LEL: N/A

UEL: N/A

Auto ignition Temperature: N/A

Combustibility: N/A

Extinguishing Media: Carbon dioxide, dry chemical, foam, or water spray

Fire Fighting Procedures: Contact emergency personnel. Use self-contained breathing apparatus and full protective gear, if large quantities of product are involved.

Unusual Fire Fighting Procedures: None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Environmental Precautions: N/A

Methods for cleaning up: Soak up with absorbent materials and wash with water; place in non-

leaking containers for appropriate disposal.

SECTION 7 – SPECIAL PROTECTIVE INFORMATION

Respiratory Protection: Not applicable under normal conditions

Ventilation:

Local Exhaust: Recommended

Special: None

Mechanical: None

Other: None

Skin Protection:

Use Resistant Plastic or rubber gloves.

Eye Protection:

Use Safety glasses or goggles.

SECTION 8 – HANDLING & STORAGE

Storage: Store upright at room temperature. In order to maintain product quality do not store near heat source or in direct sunlight.

Handling: Do not ingest. Do not breathe vapor or mist. Use only with adequate ventilation. Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. Remove contaminated clothing and wash before reusing. Do not ingest.

Other Precautions: Avoid bacterial contamination. Keep containers tightly closed when not in use.

Waste Disposal Method: 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.

SECTION 9 - PHYSICAL PROPERTIES

Appearance: Creamy Liquid

Color: Creamy White

Odor: Characteristic Fruity

Vapor Pressure (@ 20 C mm Hg): N/A

Vapor Density (AIR=1): N/A

Viscosity @25°C: 2,500-5,000 cPs

pH: 3.5 - 4.5

Specific Gravity (H₂O=1): 0.900 to 1.100 @ 25°C

Solubility in water: (wt%): 100%

Solubility in other solvents: 80%

Melting Point: N/A

Evaporation Rate (Butyl Acetate=1): N/A

SECTION 10 - REACTIVITY DATA

Stability: Stable when store in a cool dry location out of direct sunlight away from heat.

Conditions to avoid: Heat, ignition sources (flames, sparks), confined spaces, incompatible materials.

Incompatibility: Reactive with oxidizing agents, reducing agents, acids, alkalis. Slightly reactive with metals.

Hazardous Polymerization: Does not occur

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide

SECTION 11 - TOXICOLOGY INFORMATION

Ingredient	--NTP Carcinogen--		IARC	OSHA
	KNOWN	ANTICIPATED		
Formaldehyde (50-00-0)	YES	YES	Group 1	Regulated

SECTION 12 - ECOLOGICAL INFORMATION

No ecological hazards have been tested to be associated with this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Small quantities as used in a salon may safely be flushed down the sink. However, if you have old or redundant stock, call your local council or supplier for disposal advice.

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.

SECTION 14 - TRANSPORTATION INFORMATION**US DOT Hazard Class:**

Shipping Name: Formaldehyde, Solutions, Flammable

Hazard Class: 3

UN Number: UN1198

Packing Group: III

Canada TDG

Shipping Name: Formaldehyde, Solutions, Flammable

Hazard Class: 3

UN Number: UN1198

Packing Group: III

SECTION 15 - REGULATORY INFORMATION**United States:****TSCA**

CAS# 7732-18-5 (Water): is listed on the TSCA Inventory.

CAS# 50-00-0 is listed on the TSCA Inventory.

Health & Safety Reporting List

None of the chemicals in this product are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b:

None of the chemicals in this product are listed under TSCA Section 12b.

TSCA Significant New Use Rule:

None of the chemicals in this product has a SNUR under TSCA.

CERCLA:

CAS# 50-00-0: 100 lb final RQ, 45.4 kg final RQ

SARA:

Section 302 (TPQ)

CAS# 50-00-0: 500 lb TPQ

SARA Codes

CAS# 50-00-0: immediate, delayed

Section 313

This material contains Formaldehyde (CAS# 50-00-0) (36.5-38%) which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

Clean Air Act:

CAS# 50-00-0 is listed as a hazardous air pollutant (HAP).

This product does not contain any Class 1 or Class 2 Ozone depleters.

Clean Water Act:

CAS# 50-00-0 IS LISTED AS A Hazardous Substance under the CWA. None of the chemicals in this product is listed as Priority Pollutant or as Toxic Pollutant under the CWA.

OSHA:

CAS# 50-00-0 is considered highly hazardous by OSHA.

State (Individual states in the USA)

CAS# 50-00-0 is present on the California, Massachusetts, Minnesota, New Jersey and Pennsylvania State lists.

California Prop 65:

This product contains formaldehyde, which the State of California has found to cause cancer and which would require a warning under state statute.

European/International Regulations:

European Labeling in Accordance with EC Directives

Hazard Symbols: TC**Risk Phrases:**

R10 Flammable

R23 Toxic by inhalation

R24: Toxic in contact with skin

R25: Toxic if swallowed

R34: Causes burns
R43: May cause sensitization by skin contact
R45: May cause cancer

Safety Phrases:

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36: Wear suitable protective clothing
S37: Wear suitable gloves
S38: Wear suitable eye/face protection
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
S51: Use only in well-ventilated areas

WGK (Water Danger/Protection):

CAS# 7732-18-5: no information available

CAS# 50-00-0: 2

Canada - DSL/NDSL

CAS# 7732-18-5 is listed on Canada's DSL List

CAS# 50-00-0 is listed on Canada's DSL List

WHMIS classification:

Class B-3: Combustible liquid

Class D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).

Class D-2A: Material causing other toxic effects (VERY TOXIC).

Canadian Ingredient Disclosure List

CAS# 50-00-0 IS LISTED ON THE Canadian Ingredient Disclosure List.

SECTION 16 - OTHER INFORMATION

CHEMCO CORP. believes that the information contained in this M.S.D.S is correct as of this date. However, because the material may be used under conditions which CHEMCHO CORP. has no 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 material to ensure that is properly and safely used.