Revision Number: 001.0 **Issue date:** 08/13/2024

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product identifier used on the label: Fibre Clinix Concentrate Fortify

Recommended use of the chemical and restrictions on use: Hair Treatment, rinse-off

Name, address and telephone number of the chemical manufacturer:
Henkel Canada Corporation
2515 Meadowpine Boulevard
Mississauga ON L5N 6C3

CHEMTREC: 1-800-424-9300 (24 hours daily)
Internet: www.henkel-northamerica.com

Emergency telephone number: Medical Emergencies:1-800-258-3425

2. HAZARDS IDENTIFICATION

The hazards described in this Globally Harmonized System Safety Data Sheet (SDS) are not intended for consumers, and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

Classification of the substance or mixture in accordance with WHMIS 2015

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	3
SKIN IRRITATION	2
EYE IRRITATION	2A
SKIN SENSITIZATION	1

Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with WHMIS 2015.

Signal word: WARNING

Hazard Statement(s):
Flammable liquid and vapour.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.

Symbol(s):

Precautionary Statements:

Prevention:
Keep away from heat, sparks, open flames, hot surfaces - no smoking.
Keep container tightly closed.
No release into water.
Use explosion-proof equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash affected area thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves, eye protection, and face protection.

Response:
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical attention.
If eye irritation persists: Get medical attention.

Take off contaminated clothing.
In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Hazards not otherwise classified: Not available.

Percentage of ingredient(s) with unknown toxicity:
2 % of the mixture consists of ingredient(s) of unknown acute toxicity.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS) and Workplace Hazardous Materials Information System 2015 (WHMIS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

The following chemicals are classified as health hazards in accordance with WHMIS 2015.

Chemical Name*	CAS Number (Unique Identifier)	Concentration
Propane-1,2-diol	57-55-6	>= 10 - < 30 %
Ethanol denatured	64-17-5	>= 10 - < 30 %
Tetradecanol	112-72-1	>= 10 - < 30 %
Glycerol	56-81-5	>= 5 - < 10 %
Cetrimonium chloride	112-02-7	>= 1 - < 5 %
Hexadecan-1-ol	36653-82-4	>= 0.1 - < 1 %

*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld because a trade secret filed with Health Canada under the provisions of Hazardous Materials Information Review Act (HMIRA).

Actual concentration or concentration range is withheld as a trade secret

4. FIRST AID MEASURES

Description of necessary measures

Inhalation: First aid measures not required.

Skin contact: First aid measures not required.

Eye contact: Rinse eyes immediately with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. Get medical attention if pain or irritation persist.

Ingestion: Dilution by rinsing the mouth and giving a glass of water to drink is generally recommended. Contact physician or local poison control center.

Most important symptoms and effects, both acute and delayed

After eye contact: Moderate to strong irritation of the eyes (redness, swelling, burning, watering eyes). After skin contact: Repeated or prolonged excessive exposure may cause irritation or sensitization dermatitis in previously exposed individuals. After inhalation: Breathing high vapor concentrations may produce anesthetic effects, nausea, dizziness, headache. After ingestion: Ingestion may cause irritation of mouth, throat, digestive tract, diarrhea and vomiting.

Indication of any immediate medical attention and special treatment needed

After eye contact: Immediately rinse eyes with plenty of water for at least 15 minutes while holding eyelids open. After skin contact: Rinse affected area with large amounts of mild soap and water until no evidence of product remains. After ingestion: Administer immediately plenty of water. With ingestion of larger quantities (in adults one tablespoon) or in the case of discomfort or pain seek immediate medical attention. After inhalation: Remove from exposure area to fresh air.

5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Alcohol resistant foam, dry chemical or carbon dioxide. For larger fires, flood with fine water spray or alcohol-resistant foam.

Unsuitable extinguishing media: Not available.

Specific hazards arising from the chemical

carbon oxides. Hydrogen chloride. nitrogen oxides

Special protective equipment and precautions for fire-fighters

Shut off all ignition sources Move containers from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Use flooding amounts of water as a fog. Cool the packaging with spray water from a protected area. Remove products unaffected by fire from the hazardous area. Avoid breathing vapors; keep upwind. keep upwind.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear skin, eye and respiratory protection as recommended in Section 8. Stop leak if you can do it without risk. Spills present a slipping hazard. Keep unnecessary personnel away. Ventilate spill area if possible. Make sure area is slip-free before re-opening to traffic.

Environmental precautions

Small or household quantities may be disposed in sewer or other liquid waste system. For larger quantities check with your local disposal authorities.

Methods and materials for containment and cleaning up

SMALL SPILLS: Contain and absorb with sand or other absorbent material and place into clean, dry containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

7. HANDLING AND STORAGE

Precautions for safe handling

Do not get in eyes. Do not take internally. Use only with adequate ventilation. Avoid generating aerosols and mists.

Conditions for safe storage, including any incompatibilities

Flammable liquid. Store away from incompatible substances, excessive heat, flames, sparks or other ignition sources. Storage areas for large quantities (warehouse) should be well ventilated. Keep the containers tightly closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Propane-1,2-diol	None	None	10 mg/m3 TWA Aerosol.	None
Ethanol denatured	1,000 ppm STEL	1,000 ppm (1,900 mg/m3) PEL	None	None
Glycerol	None	5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust.	None	None

Appropriate engineering controls

Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated. Ventilation equipment should be explosion-proof. Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.

Individual protection measures

Respiratory: Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits.

Eye: Splash-proof safety glasses are required to prevent eye contact where splashing of product may occur.

Hand/Body: Protective gloves are required where repeated or prolonged skin contact may occur. Protective clothing is required where repeated or prolonged skin contact may occur.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	liquid colourless, light yellow
Odor:	floral
Odor threshold:	Not available.
pH:	5.30 - 6.30 (20 °C)
Melting point/ range:	Not available.
Boiling point/range:	Not available.
Flash point:	27.5 °C (81.5 °F) DIN EN ISO 13736: Flash point, Abel, low viscosity::1876500
Evaporation rate:	Not available.
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Vapor pressure:	Not available.
Vapor density:	Not available.
Solubility in water:	Partially soluble
Partition coefficient (n-octanol/water):	Not available.
Autoignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not available.
VOC content:	Not available.

10. STABILITY AND REACTIVITY

Reactivity:	This product may react with strong alkalies.
Chemical stability:	Stable under normal ambient temperature (70°F, 21°C) and pressure (1 atm).
Possibility of hazardous reactions:	Hazardous polymerization has not been reported to occur under normal temperatures and pressures.
Conditions to avoid:	Avoid storing in direct sunlight and avoid extremes of temperature.
Incompatible materials:	Strong oxidizers and alkalis.
Hazardous decomposition products:	Thermal decomposition products may include oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure including symptoms related to characteristics

Inhalation:	Not an anticipated route of exposure. Intentional inhalation of vapors from product may cause central nervous system effects and irritation of the throat and lungs with coughing.
Skin contact:	Repeated or prolonged excessive exposure may cause irritation or sensitization dermatitis in previously exposed individuals.
Eye contact:	May cause moderate to severe irritation.
Ingestion:	Ingestion of large quantities may cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Physical/Chemical:	The product is flammable.

Other relevant toxicity information: This product is a personal care or cosmetic product. Direct contact with eyes may cause irritation. No adverse effects are anticipated to skin from normal use.

Numerical measures of toxicity, including delayed and immediate effect

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Propane-1,2-diol	Oral LD50 (RABBIT) = 18 g/kg Oral LD50 (RAT) = 30 g/kg Inhalation LC50 (RABBIT, 2 h) = > 317,042 mg/m3	Irritant
Ethanol denatured	Oral LD50 (RAT) = 9.9 g/kg Oral LD50 (RAT) = 6.2 g/kg Oral LD50 (RAT) = 17.8 g/kg Oral LD50 (RAT) = 11.5 g/kg Oral LD50 (RAT) = 10.6 g/kg Oral LD50 (RAT) = 7,060 mg/kg Inhalation LC50 (RAT, 6 h) = 92.6 mg/l Inhalation LC50 (RAT, 6 h) = 51.3 mg/l Inhalation LC50 (RAT, 4 h) = 133.8 mg/l Inhalation LC50 (RAT, 6 h) = 82.1 mg/l Inhalation LC50 (RAT, 4 h) = 124.7 mg/l Inhalation LC50 (RAT, 6 h) = 52.9 mg/l Inhalation LC50 (RAT, 6 h) = 54.8 mg/l Inhalation LC50 (RAT, 4 h) = > 115.9 mg/l Inhalation LC50 (RAT, 6 h) = 87.5 mg/l Inhalation LC50 (RAT, 4 h) = 130.7 mg/l Inhalation LC50 (RAT, 4 h) = 128.2 mg/l Inhalation LC50 (RAT, 4 h) = 116.9 mg/l	Central nervous system, Irritant
Tetradecanol	Oral LD50 (RAT) = 5 g/kg Dermal LD50 (RABBIT) = > 5 g/kg Inhalation LC50 (RAT, 6 h) = > 1.05 mg/l Inhalation LC50 (RAT, 8 h) = > 0.0883 mg/l	Cardiac, Central nervous system, Irritant, Liver, Metabolic
Glycerol	None	Irritant, Nuisance dust
Cetrimonium chloride	None	No Data
Hexadecan-1-ol	Oral LD50 (RAT) = 5 g/kg	Irritant, Allergen

Carcinogenicity information

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Propane-1,2-diol	No	No	No
Ethanol denatured	No	No	No
Tetradecanol	No	No	No
Glycerol	No	No	No
Cetrimonium chloride	No	No	No
Hexadecan-1-ol	No	No	No

Carcinogenicity None of the ingredients in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA).

Mutagenicity None of the ingredients in this product are known to cause mutagenicity.

Toxicity for reproduction None of the ingredients in this product are known as reproductive, fetal, or developmental hazards.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity:

This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions. The following toxicity information is available for the hazardous ingredient(s) when used as technical grade and is provided as reference for the occupational settings.

Toxicity to fish:

The aquatic toxicity profile of this product has not been determined.

Chronic toxicity to aquatic invertebrates

The aquatic toxicity profile of this product has not been determined.

Toxicity to algae:

The aquatic toxicity profile of this product has not been determined.

Persistence and degradability

Hazardous substances CAS-No.	Result value	Route of application	Species	Method
Propane-1,2-diol 57-55-6	readily biodegradable	aerobic	> 81.7 - 100 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Ethanol denatured 64-17-5	readily biodegradable	aerobic	80 - 85 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Tetradecanol 112-72-1	readily biodegradable	aerobic	87.5 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Glycerol 56-81-5	readily biodegradable	aerobic	90 - 94 %	EU Method C.4-E (Determination of the "Ready" BiodegradabilityClosed Bottle Test)
Cetrimonium chloride 112-02-7	inherently biodegradable	aerobic	75 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
	readily biodegradable	aerobic	95 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Hexadecan-1-ol 36653-82-4	readily biodegradable	aerobic	82.4 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))

Bioaccumulative potential

The bioaccumulation potential of this product has not been determined.

Mobility in soil

The mobility of this product (in soil and water) has not been determined.

13. DISPOSAL CONSIDERATIONS

Description of waste residues:

Hazardous waste number: D001 (Ignitability)

Safe handling and disposal methods:

Recommended method of disposal: This product is a RCRA characteristic (ignitable) hazardous waste and must be disposed of in a RCRA Subtitle C landfill.

Disposal of uncleaned packages: Do not reuse this container.

14. TRANSPORT INFORMATION

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper shipping classification may vary by packaging, properties, and mode of transportation.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Ethanol solutions
Hazard class or division: 3
Identification number: UN 1170
Packing group: III

International Air Transportation (ICAO/IATA)

Proper shipping name:	Ethanol solution
Hazard class or division:	3
Identification number:	UN 1170
Packing group:	III

Water Transportation (IMO/IMDG)

Proper shipping name:	ETHANOL SOLUTION (Cetrimonium chloride)
Hazard class or division:	3
Identification number:	UN 1170
Packing group:	III
Marine pollutant:	Cetrimonium chloride

15. REGULATORY INFORMATION

Occupational safety and health act: WHMIS Hazardous Products Act (HPA) and Hazardous Products Regulations (HPR) require that Safety Data Sheets (SDS) are readily accessible to employees for all hazardous chemicals in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experiences by consumers, this SDS may contain health hazard information not relevant to consumer use.

United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.
TSCA 12 (b) Export Notification:	None above reporting de minimis
CERCLA/SARA Section 302 EHS:	None above reporting de minimis.
CERCLA/SARA Section 311/312:	Not available.
CERCLA/SARA Section 313:	None above reporting de minimis.
California Proposition 65:	No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDSL Status:	One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

16. OTHER INFORMATION

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

Prepared by: R&D Support Services

Issue date: 08/13/2024