

This industrial Safety Data Sheet is 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.

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 05/05/2023

 1.5
 05/09/2023
 660000013357
 Date of first issue: 02/22/2021

**SECTION 1. IDENTIFICATION** 

Product code

Product name : Colgate Optic White Professional Take-Home Teeth Whiten-

ing Kit

B05494590001 200000063799

Manufacturer or supplier's details

Company name of supplier : Colgate-Palmolive Co

300 Park Avenue New York, NY 10022

Telephone : US: Consumer Affairs - 1-800-468-6502

Emergency telephone num-

ber

For emergencies involving spill, leak, fire, exposure or acci-

dent call CHEMTREC (24hr) at (800) 424-9300 or

(703) 527-3887.

Global-CHEMTREC- +1 703-741-5970

Recommended use of the chemical and restrictions on use

Recommended use : Tooth whitening

## **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids : Category 2

Skin irritation : Category 2

Serious eye damage : Category 1

**GHS** label elements



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Hazard pictograms





Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements : Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames

and other ignition sources. No smoking. P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical, ventilating and lighting

equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P303 + P361 + P353 + P310 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

Immediately call a POISON CENTER.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/ atten-

tion.

P362 Take off contaminated clothing and wash before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical or alco-

hol-resistant foam to extinguish.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container

tightly closed.

Disposal:

P501 Dispose of contents/ container to an approved waste dis-

posal plant.

Other hazards

None known.

## **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

## Components



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Chemical name	CAS-No.	Concentration (% w/w)
ETHANOL (ETHYL ALCOHOL)	64-17-5	>= 70 - < 90
HYDROGEN PEROXIDE	7722-84-1	>= 5 - < 10

## **SECTION 4. FIRST AID MEASURES**

General advice Move out of dangerous area.

Consult a physician.

Show this safety data sheet to the doctor in attendance.

Do not leave the victim unattended.

If inhaled If unconscious, place in recovery position and seek medical

advice.

If symptoms persist, call a physician.

In case of skin contact Immediate medical treatment is necessary as untreated

wounds from corrosion of the skin heal slowly and with difficul-

If on skin, rinse well with water, If on clothes, remove clothes.

In case of eye contact In the case of contact with eyes, rinse immediately with plenty

of water and seek medical advice.

Continue rinsing eyes during transport to hospital.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed Keep respiratory tract clear.

Do NOT induce vomiting.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician. Take victim immediately to hospital.

Most important symptoms

and effects, both acute and

delayed

Causes serious eye damage.

Causes skin irritation.

Notes to physician Treat symptomatically.

## **SECTION 5. FIREFIGHTING MEASURES**

Alcohol-resistant foam Suitable extinguishing media :

Carbon dioxide (CO2)

Dry chemical

Unsuitable extinguishing

media

High volume water jet



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Specific hazards during fire-

fighting

Do not allow run-off from fire fighting to enter drains or water

courses.

Hazardous combustion prod: :

ucts

No hazardous combustion products are known

Further information : Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

For safety reasons in case of fire, cans should be stored sepa-

rately in closed containments.

Use a water spray to cool fully closed containers.

Special protective equipment :

for firefighters

Wear self-contained breathing apparatus for firefighting if nec-

essary.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

Beware of vapours accumulating to form explosive concentra-

tions. Vapours can accumulate in low areas.

Environmental precautions

Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.

Methods and materials for containment and cleaning up

Neutralize with chalk, alkali solution or ammonia.

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local

/ national regulations (see section 13).

### **SECTION 7. HANDLING AND STORAGE**

Advice on protection against

fire and explosion

Do not spray on a naked flame or any incandescent material.

Take necessary action to avoid static electricity discharge

(which might cause ignition of organic vapours).

Use only explosion-proof equipment.

Keep away from open flames, hot surfaces and sources of

ignition.

Advice on safe handling : Avoid formation of aerosol.

Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the ap-



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plication area.

Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national

regulations.

Conditions for safe storage : No smoking.

Keep container tightly closed in a dry and well-ventilated

place.

Containers which are opened must be carefully resealed and

kept upright to prevent leakage. Observe label precautions.

Electrical installations / working materials must comply with

the technological safety standards.

Materials to avoid : Do not store near acids.

Further information on stor-

age stability

No decomposition if stored and applied as directed.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

## Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ETHANOL (ETHYL ALCOHOL)	64-17-5	STEL	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,900 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m3	OSHA Z-1
		TWA	1,000 ppm 1,900 mg/m3	OSHA P0
HYDROGEN PEROXIDE	7722-84-1	TWA	1 ppm	ACGIH
		TWA	1 ppm 1.4 mg/m3	NIOSH REL
		TWA	1 ppm 1.4 mg/m3	OSHA Z-1
		TWA	1 ppm 1.4 mg/m3	OSHA P0
		TWA	1 ppm	ACGIH

### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally re-

quired.

Hand protection



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Remarks : The suitability for a specific workplace should be discussed

with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal processing

problems.

Skin and body protection : Impervious clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Colour : colourless

Odour : No data available

pH : No data available

Melting point/range : No data available

Boiling point/boiling range : No data available

Flash point :  $68 \,^{\circ}\text{F} / 20 \,^{\circ}\text{C}$ 

Upper explosion limit / Upper

flammability limit

No data available

Lower explosion limit / Lower :

flammability limit

No data available

Vapour pressure : No data available

Relative vapour density : No data available

Density : No data available

Solubility(ies)

Solubility in other solvents : No data available



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Partition coefficient: n-

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octanol/water

: No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity

Viscosity, kinematic : No data available

Particle size : No data available

#### **SECTION 10. STABILITY AND REACTIVITY**

Reactivity: No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reac-

tions

No decomposition if stored and applied as directed.

Vapours may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Not applicable

Hazardous decomposition

products

No data available

## **SECTION 11. TOXICOLOGICAL INFORMATION**

#### **Acute toxicity**

Not classified based on available information.

**Product:** 

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: 30.07 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

**Components:** 

**HYDROGEN PEROXIDE:** 

Acute oral toxicity : LD50 (Rat): 1,026 mg/kg

Method: OECD Test Guideline 401



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Acute inhalation toxicity : LC0 (Rat): > 0.17 mg/l

Exposure time: 4 h
Test atmosphere: vapour
Remarks: Harmful by inhalation.

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

Method: OECD Test Guideline 402

#### Skin corrosion/irritation

Causes skin irritation.

## Components:

## ETHANOL (ETHYL ALCOHOL):

Result : No skin irritation

## **HYDROGEN PEROXIDE:**

Species : Rabbit Exposure time : 4 h

Method : OECD Test Guideline 404

Result : Corrosive after 3 minutes or less of exposure

## Serious eye damage/eye irritation

Causes serious eye damage.

## **Components:**

# **ETHANOL (ETHYL ALCOHOL):**

Species : Rabbit

Result : Moderate eye irritation

### **HYDROGEN PEROXIDE:**

Species : Rabbit

Result : No eye irritation

Method : OECD Test Guideline 405

## Respiratory or skin sensitisation

## Skin sensitisation

Not classified based on available information.

## Respiratory sensitisation

Not classified based on available information.

### **Components:**

## ETHANOL (ETHYL ALCOHOL):

Exposure routes : Inhalation

Remarks : No data available



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Exposure routes : Dermal

Result : Does not cause skin sensitisation.

**HYDROGEN PEROXIDE:** 

Exposure routes : Dermal Species : Guinea pig

Result : Does not cause skin sensitisation.

Exposure routes : inhalation (vapour)

Species : Mouse

Result : Does not cause respiratory sensitisation.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

IARC Group 1: Carcinogenic to humans This product is not expected

to exhibit carcinogenic effects. Exposure through ingestion of Ethanol (64-17-5) is not applicable to the intended use of this

product.

ETHANOL (ETHYL 64-17-5

ALCOHOL)

OSHA No component of this product present at levels greater than or

equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** This product is not expected to exhibit carcinogenic effects.

Exposure through ingestion of Ethanol (64-17-5) is not applica-

ble to the intended use of this product.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

**Components:** 

**HYDROGEN PEROXIDE:** 

Exposure routes : Inhalation

Target Organs : Respiratory system

Assessment : May cause respiratory irritation.

STOT - repeated exposure

Not classified based on available information.



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## **Aspiration toxicity**

Not classified based on available information.

#### **Further information**

## **Product:**

Remarks : This product has not been tested as a whole. However, this

formula was reviewed by expert toxicologists in the Product Safety Assurance Department of Colgate-Palmolive and is determined to be safe for its intended use. This review has taken into consideration available safety-related information including information on individual ingredients, similar formulas and potential ingredient interactions. This review is a component of the hazard determination used to prepare the

statements in Section 2 of the SDS.

#### **SECTION 12. ECOLOGICAL INFORMATION**

The product has not been tested as a whole for environmental toxicity. However, environmental information on the ingredients in this product have been reviewed by the Environmental Occupational Health and Safety group of Colgate-Palmolive and determined to have an acceptable environmental profile. This evaluation is based on available information on individual ingredients, interactions of ingredients, and similar ingredients. Biodegradability claims are supported by data on ingredients (i.e., surfactants are biodegradable).

### **SECTION 13. DISPOSAL CONSIDERATIONS**

## **Disposal methods**

Waste from residues : The product should not be allowed to enter drains, water

courses or the soil.

Do not contaminate ponds, waterways or ditches with chemi-

cal or used container.

Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.

Do not burn, or use a cutting torch on, the empty drum.

## **SECTION 14. TRANSPORT INFORMATION**

DOT :



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UN 1170 Ethanol solutions, 3, II.

TDG :

UN 1170 ETHANOL SOLUTION, 3, II.

IATA :

UN 1170 Ethanol solution, 3, II.

IMDG :

UN 1170 ETHANOL SOLUTION, 3, II (20°C c.c.)

IMDG EmS Number : F-E, S-D

ADR :

UN 1170 ETHANOL SOLUTION, 3, II.

Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations. Product may be shipped as Limited Quantity in retail packaging. The shipper is responsible for identifying any exemptions including Limited Quantity, that may apply based on package size.

## **SECTION 15. REGULATORY INFORMATION**

## **CERCLA Reportable Quantity**

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

## SARA 304 Extremely Hazardous Substances Reportable Quantity

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

Components	CAS-No.	Component TPQ (lbs)
HYDROGEN PEROXIDE	7722-84-1	1000

SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids)

Skin corrosion or irritation

Serious eye damage or eye irritation

SARA 313 : This material does not contain any chemical components with

known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.



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### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

ETHANOL (ETHYL 64-17-5 ALCOHOL)

#### **Clean Water Act**

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

Benzoic Acid 65-85-0

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Benzoic Acid 65-85-0

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

## **US State Regulations**

### Massachusetts Right To Know

ETHANOL (ETHYL ALCOHOL) 64-17-5 WATER 7732-18-5 HYDROGEN PEROXIDE 7722-84-1

### Pennsylvania Right To Know

ETHANOL (ETHYL ALCOHOL) 64-17-5
Acrylates/Octylacrylamide Copolymer 129702-02-9
WATER 7732-18-5
HYDROGEN PEROXIDE 7722-84-1
Benzoic Acid 65-85-0

## **TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

#### **SECTION 16. OTHER INFORMATION**

### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic



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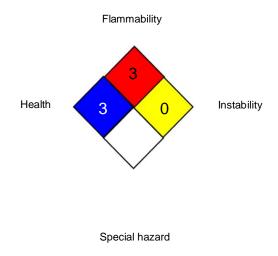
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Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI -Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ -Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

## **Further information**

## NFPA 704:



## HMIS® IV:

HEALTH	1	3
FLAMMABILITY		3
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

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