

COLGATE OPTIC WHITE TOOTHPASTE ICYFRESH

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: 01/22/2024
1.2	02/07/2024	660000009721	Date of first issue: 09/18/2023

SECTION 1. IDENTIFICATION

Product name : COLGATE OPTIC WHITE TOOTHPASTE ICYFRESH
B05493150000

Product code : 200000060232

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 number : For emergencies involving spill, leak, fire, exposure or accident 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 : Dentifrice.

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SECTION 2. HAZARDS IDENTIFICATION

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

Skin irritation : Category 2

Serious eye damage : Category 1

Reproductive toxicity : Category 2

Remark: This oral care product is considered safe for consumers when used as recommended. The categorization of Methyl Salicylate (119-36-8) as a reproductive toxicant was based on the oral ingestion of high doses of methyl salicylate in an animal study. Oral care products are not intended to be ingested, and exposure to Methyl Salicylate (119-36-8) through incidental ingestion of the product is considered safe when used as directed.

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H315 Causes skin irritation.
H318 Causes serious eye damage.
H361 Suspected of damaging fertility or the unborn child.

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.

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Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components

Chemical name	CAS-No.	Concentration (% w/w)
Propylene Glycol	57-55-6	$\geq 30 - < 50$
Polyethylene Glycol	25322-68-3	$\geq 5 - < 10$
Glycerin	56-81-5	$\geq 1 - < 5$
HYDROGEN PEROXIDE	7722-84-1	$\geq 1 - < 5$
SODIUM LAURYL SULFATE	151-21-3	$\geq 1 - < 5$
Fumed Silica	112945-52-5	$\geq 1 - < 5$
TETRASODIUM PYROPHOSPHATE	7722-88-5	$\geq 1 - < 5$
L-MENTHOL	2216-51-5	$\geq 1 - < 5$
DISODIUM PYROPHOSPHATE	7758-16-9	$\geq 0.1 - < 1$
METHYL SALICYLATE	119-36-8	$\geq 0.1 - < 1$

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 | : If skin irritation persists, call a physician.
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. |

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If swallowed	: Keep respiratory tract clear. Administer milk but 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 skin irritation. Causes serious eye damage. Suspected of damaging fertility or the unborn child.
Notes to physician	: Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	: High volume water jet
Specific hazards during fire-fighting	: Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	: 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.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment.
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	: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

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SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Do not breathe vapours/dust.
 Avoid exposure - obtain special instructions before use.
 Avoid contact with skin and eyes.
 For personal protection see section 8.
 Smoking, eating and drinking should be prohibited in the application area.
 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 : Keep container tightly closed in a dry and well-ventilated place.
 Observe label precautions.
 Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage 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
Propylene Glycol	57-55-6	TWA	10 mg/m ³	US WEEL
Polyethylene Glycol	25322-68-3	TWA (aerosol)	10 mg/m ³	US WEEL
Glycerin	56-81-5	TWA (mist, respirable fraction)	5 mg/m ³	OSHA Z-1
		TWA (mist, total dust)	15 mg/m ³	OSHA Z-1
		TWA (Mist - total dust)	10 mg/m ³	OSHA P0
		TWA (Mist - respirable fraction)	5 mg/m ³	OSHA P0
HYDROGEN PEROXIDE	7722-84-1	TWA	1 ppm	ACGIH
		TWA	1 ppm 1.4 mg/m ³	NIOSH REL
		TWA	1 ppm 1.4 mg/m ³	OSHA Z-1
		TWA	1 ppm	OSHA P0

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			1.4 mg/m ³	
		TWA	1 ppm	ACGIH
Fumed Silica	112945-52-5	TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m ³ / %SiO ₂ (Silica)	OSHA Z-3
TETRASODIUM PYROPHOSPHATE	7722-88-5	TWA	5 mg/m ³	NIOSH REL
		TWA	5 mg/m ³	OSHA P0

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

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 : paste

Colour : white

Odour : No data available

pH : 7.9

Melting point/range : No data available

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Boiling point/boiling range : No data available

Flash point : No data available

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

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity
Viscosity, kinematic : No data available

Particle characteristics
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 reactions : No decomposition if stored and applied as directed.

Conditions to avoid : No data available

Incompatible materials : Not applicable

Hazardous decomposition products : No hazardous decomposition products are known.

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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: 16.56 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:**Propylene Glycol:**

Acute oral toxicity	:	LD50 (Rat): 22,000 mg/kg
Acute inhalation toxicity	:	Remarks: No data available
Acute dermal toxicity	:	Remarks: No data available

Polyethylene Glycol:

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity	:	Remarks: No data available
Acute dermal toxicity	:	Remarks: No data available

HYDROGEN PEROXIDE:

Acute oral toxicity	:	LD50 (Rat): 1,026 mg/kg Method: OECD Test Guideline 401
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

SODIUM LAURYL SULFATE:

Acute oral toxicity	:	LD50 (Rat): 977 mg/kg Method: OECD Test Guideline 401
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Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
Method: OECD Test Guideline 402

Fumed Silica:

Acute oral toxicity : LD50 (Rat): 3,160 mg/kg
Method: No information available.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

TETRASODIUM PYROPHOSPHATE:

Acute oral toxicity : LD50 (Rat): 1,624 mg/kg
Method: OECD Test Guideline 425

Acute inhalation toxicity : LC50 (Rabbit): > 0.58 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
Method: OECD Test Guideline 402

L-MENTHOL:

Acute oral toxicity : LD50 (Rat): 3,400 mg/kg

Acute inhalation toxicity : Remarks: No data available

DISODIUM PYROPHOSPHATE:

Acute oral toxicity : LD50 (Mouse): 2,650 mg/kg
Method: No information available.

Acute inhalation toxicity : LC50 (Rabbit): > 0.58 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OPPTS 870.1300

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
Method: OECD Test Guideline 402

METHYL SALICYLATE:

Acute oral toxicity : LD50 (Rat): 890 mg/kg

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Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg
Method: No information available.

Skin corrosion/irritation

Causes skin irritation.

Components:**Propylene Glycol:**

Result : No skin irritation

Polyethylene Glycol:

Result : No skin irritation

Glycerin:

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

SODIUM LAURYL SULFATE:

Species : Rabbit
Exposure time : 24 h
Assessment : irritating
Method : OECD Test Guideline 404
Result : irritating

Fumed Silica:

Result : Severe skin irritation

TETRASODIUM PYROPHOSPHATE:

Result : No skin irritation

Remarks : May cause skin irritation in susceptible persons.

L-MENTHOL:

Result : May irritate skin.

DISODIUM PYROPHOSPHATE:

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Result : Mild skin irritation

METHYL SALICYLATE:

Species : Rabbit
Method : OECD Test Guideline 404
Result : Mild skin irritation

Serious eye damage/eye irritation

Causes serious eye damage.

Components:**Propylene Glycol:**

Result : No eye irritation

Polyethylene Glycol:

Result : No eye irritation

Glycerin:

Result : No eye irritation

HYDROGEN PEROXIDE:

Species : Rabbit
Result : No eye irritation
Method : OECD Test Guideline 405

SODIUM LAURYL SULFATE:

Result : Irreversible effects on the eye

Remarks : May cause irreversible eye damage.

Fumed Silica:

Result : Irritation to eyes, reversing within 21 days

TETRASODIUM PYROPHOSPHATE:

Result : Irritation to eyes, reversing within 21 days

Remarks : May cause irreversible eye damage.

L-MENTHOL:

Remarks : May cause irreversible eye damage.

DISODIUM PYROPHOSPHATE:

Result : Irritation to eyes, reversing within 21 days

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METHYL SALICYLATE:

Species	:	Rabbit
Result	:	Eye irritation
Assessment	:	irritating

Respiratory or skin sensitisation**Skin sensitisation**

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:**Propylene Glycol:**

Exposure routes	:	Inhalation
Remarks	:	No data available

Exposure routes	:	Dermal
Result	:	Does not cause skin sensitisation.

Polyethylene Glycol:

Exposure routes	:	Inhalation
Remarks	:	No data available

Exposure routes	:	Dermal
Result	:	Does not cause skin sensitisation.

Glycerin:

Exposure routes	:	Inhalation
Remarks	:	No data available

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.

SODIUM LAURYL SULFATE:

Exposure routes	:	Inhalation
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Remarks : No data available

Exposure routes : Dermal
Result : Does not cause skin sensitisation.

Fumed Silica:

Exposure routes : Inhalation
Result : Does not cause respiratory sensitisation.

Exposure routes : Dermal
Result : Does not cause skin sensitisation.

TETRASODIUM PYROPHOSPHATE:

Exposure routes : Inhalation
Result : Does not cause respiratory sensitisation.

Exposure routes : Dermal
Result : Does not cause skin sensitisation.

L-MENTHOL:

Exposure routes : Inhalation
Remarks : No data available

Exposure routes : Dermal
Result : Does not cause skin sensitisation.

DISODIUM PYROPHOSPHATE:

Exposure routes : Inhalation
Result : Does not cause respiratory sensitisation.

Exposure routes : Dermal
Result : Does not cause skin sensitisation.

METHYL SALICYLATE:

Exposure routes : Inhalation
Remarks : No data available

Exposure routes : Dermal
Remarks : No data available

Germ cell mutagenicity

Not classified based on available information.

Components:**SODIUM LAURYL SULFATE:**

Genotoxicity in vitro : Test Type: reverse mutation assay

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Test system: Escherichia coli
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

Genotoxicity in vivo : Test Type: dominant lethal test
Species: Mouse (male and female)
Application Route: Oral
Method: OECD Test Guideline 478
Result: negative

METHYL SALICYLATE:

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test
Test system: mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Result: negative

Genotoxicity in vivo : Test Type: in vivo assay
Species: Mouse
Application Route: Oral
Result: negative

Carcinogenicity

Not classified based on available information.

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Suspected of damaging fertility or the unborn child.

Components:**METHYL SALICYLATE:**

Reproductive toxicity - Assessment : Suspected of damaging fertility or the unborn child.

STOT - single exposure

Not classified based on available information.

Components:**HYDROGEN PEROXIDE:**

Exposure routes : Inhalation

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Target Organs : Respiratory system
Assessment : May cause respiratory irritation.

STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity**Components:****SODIUM LAURYL SULFATE:**

Species : Rat
: 488 mg/kg
Application Route : Oral

Species : Mouse
: 488 mg/kg
Application Route : Dermal

METHYL SALICYLATE:

Species : Rat
NOAEL : 50 mg/kg
Application Route : Oral

Species : Rat
NOEC : 700 mg/l
Application Route : Inhalation
Test atmosphere : vapour

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.

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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	:	Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical 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.

SECTION 14. TRANSPORT INFORMATION

DOT	:	Not Regulated.
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TDG	:	Not Regulated.
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IATA	:	Not Regulated.
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IMDG	:	Not Regulated.
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IMDG EmS Number :Not applicable.

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ADR

:

Not Regulated.

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 : Reproductive toxicity
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.

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 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

Propylene Glycol	57-55-6
Polyethylene Glycol	25322-68-3
Glycerin	56-81-5

Clean Water Act

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

Sodium Fluoride	7681-49-4
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The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Sodium Fluoride	7681-49-4
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This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

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

US State Regulations**Massachusetts Right To Know**

Propylene Glycol	57-55-6
ETHYLENE OXIDE PROPYLENE OXIDE COPOLYMER	9003-11-6
Polyethylene Glycol	25322-68-3
Glycerin	56-81-5
HYDROGEN PEROXIDE	7722-84-1
SODIUM LAURYL SULFATE	151-21-3
TETRASODIUM PYROPHOSPHATE	7722-88-5
L-MENTHOL	2216-51-5
SODIUM SACCHARIN	128-44-9

Pennsylvania Right To Know

Propylene Glycol	57-55-6
CALCIUM PYROPHOSPHATE	7790-76-3
PVP (POLYVINYL PYRROLIDONE)	9003-39-8
ETHYLENE OXIDE PROPYLENE OXIDE COPOLYMER	9003-11-6
Polyethylene Glycol	25322-68-3
Glycerin	56-81-5
HYDROGEN PEROXIDE	7722-84-1
TETRASODIUM PYROPHOSPHATE	7722-88-5
SODIUM SACCHARIN	128-44-9
SODIUM SULFATE	7757-82-6
Sodium Fluoride	7681-49-4

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 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

COLGATE OPTIC WHITE TOOTHPASTE ICYFRESH

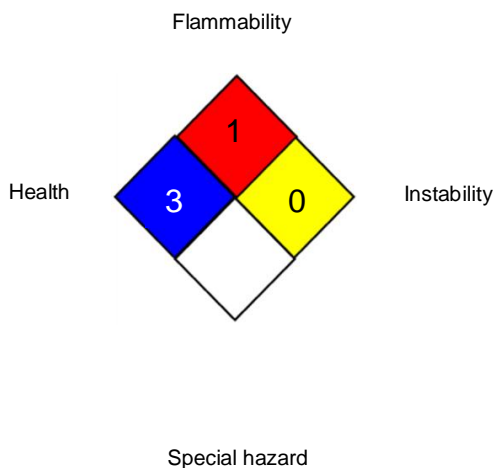
This industrial Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

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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; TECL - 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	/	3
FLAMMABILITY		1
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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