



Arm & Hammer™ Dental Care™ Original Paste (Korea GHS)

Safety Data Sheet

This SDS is prepared in accordance with the SDS requirements of the Ministry of Employment and Labor (MOEL) of South Korea public notice No. 2020-130

Date of Issue: 2022/04/15

Version: 1.0

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1. Product Name

Product form: Mixture

Product Name: Arm & Hammer™ Dental Care™ Original Paste (Korea GHS)

Product Code: 42014051

1.2. Recommended Uses of the Product and Restrictions on Use

Recommended use Oral care

Restrictions On Use No restrictions on use are specified

1.3. Supplier Information

Company

Church & Dwight

500 Charles Ewing Blvd

Ewing Township, NJ 08628

T 1-800-524-1328

www.churchdwight.com

1.4. Emergency Telephone Number

Emergency Number : For Medical Emergency: 1-888-234-1828 (USA and Canada), 952-853-1925 (Outside USA and Canada)
For Chemical Emergency: ChemTel LLC (800)255-3924 (North America)
+1 (813)248-0585 (International)

SECTION 2: HAZARD IDENTIFICATION

2.1. Hazard Classification

GHS Classification (KR)

Physical Hazards : Not classified

Health Hazards : Not classified

Environmental Hazards : Not classified

2.2. Label Elements

No labelling applicable

2.2. Other Hazards

Other Hazards Which Do Not Result In Classification : Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Mixture/Substance

Distinction of Substance or Mixture : Mixture

Chemical Name	Common Name and Synonyms	Cas Number	Content %*
1,2,3-Propanetriol	Glycerin / Glycerine / Glycerol / 1,2,3-Trihydroxypropane / Propane-1,2,3-triol	CAS-No.: 56-81-5	10 - 15
Polyethylene glycol	Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy- / Polyethylene glycol ether / PEG / Macrogols / Ethylene oxide polymer / 1,2-Ethanediol, homopolymer / .alpha.-Hydro-.omega.-hydroxypoly(oxyethylene) / .alpha.-Hydro-.omega.-hydroxypoly(oxy-1,2-ethanediyl) / Ethoxylated 1,2-ethanediol / Polyethylene oxide / Ethylene glycol homopolymer	CAS-No.: 25322-68-3	1 - 5
Glycine, N-methyl-N-(1-oxododecyl)-, sodium salt	Lauroyl sarcosinate, sodium / Sarcosine, N-lauroyl-, sodium salt / N-Lauroylsarcosine sodium salt / Glycine, N-methyl-N-(1-oxododecyl)-, sodium salt (1:1) / N-Methyl-N-(1-oxododecyl) glycine / Sodium lauroyl sarcosinate / Sodium N-lauroyl sarcosinate / Gardol	CAS-No.: 137-16-6	< 1
Sodium fluoride	Fluoride, sodium / Sodium fluoride (NaF) / Sodium monofluoride	CAS-No.: 7681-49-4	< 1
Cyclohexanone, 5-methyl-2-(1-methylethyl)-, (2S-trans)-	Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1R,2S,5R)-rel- / Menthol / Menthol, cis-1,3,trans-1,4- / Menthomenthol / Peppermint camphor / DL-Menthol / Racementhol / dl-Menthol / 3-p-Menthanol / (.+.-)-Menthol / Menthol, racemic / (1R,2S,5R)-rel-5-Methyl-2-(1-methylethyl)cyclohexanol / rel-(1R,2S,5R)-2-Isopropyl-5-methylcyclohexanol / L-Menthol	CAS-No.: 14073-97-3	< 1

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%)

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SECTION 4: FIRST AID MEASURES

4.1. Description Of First-Aid Measures

First-Aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-Aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-Aid Measures After Skin Contact: Gently wash with plenty of soap and water. Obtain medical attention if irritation develops or persists.

First-Aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.

First-Aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause slight irritation.

Symptoms/Injuries After Ingestion: Ingestion of large quantities may cause adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Other Medical Advice Or Treatment: If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Suitable (And Unsuitable) Extinguishing Media

Suitable Extinguishing Media Water spray, dry chemical, foam, carbon dioxide.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Specific Hazards Arising From the Chemical

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Special Protective Equipment and Precautions for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Sodium oxides. Sulfur oxides.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions and Protective Equipment

General Measures: Avoid breathing (vapor, mist, spray). Avoid contact with skin, eyes and clothing.

6.1.1 For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2 For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognise the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Environmental Precautions: Prevent entry to sewers and public waters.

6.3. Methods for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Local And General Ventilation: Ensure adequate air ventilation.

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Precautions For Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing vapors, mist, spray. Avoid contact with skin, eyes and clothing.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Incompatible Substances Or Mixtures: Refer to section 10

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Exposure Limits/Biological Limits

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), China, and Korea

Sodium Fluoride (7681-49-4)		
Korea	ISHA OEL TWA	2.5 mg/m ³
1,2,3-Propanetriol (56-81-5)		
Korea	ISHA OEL TWA	10 mg/m ³ (mist)

8.2. Exposure Controls

Appropriate Engineering Controls

: For occupational/workplace settings: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment

: For occupational/workplace settings and bulk quantities: Gloves. Protective clothing. Protective goggles.



Respiratory Protection

: For occupational/workplace settings: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Hand Protection

: For occupational/workplace settings: Wear protective gloves.

Eye And Face Protection

: For occupational/workplace settings: Chemical safety goggles.

Skin And Body Protection

: For occupational/workplace settings: Wear suitable protective clothing.

Hygiene Measures

: Handle in accordance with good industrial hygiene and safety procedures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Appearance	: White paste
Physical State	: Liquid
Molecular Mass	: No data available
Odour	: Mint-like
Odor Threshold	: No data available
pH	: 8.5
Melting Point	: No data available
Initial Boiling Point and Boiling Range	: No data available
Flash Point	: No data available
Autoignition Temperature	: No data available
Vapour Pressure	: No data available
Relative Vapour Density At 20 °C	: No data available
Specific Gravity	: 1.6
Solubility	: No data available
N-Octanol/Water Distribution Coefficient	: No data available
Decomposition Temperature	: No data available
Viscosity	: No data available
Explosive Limits (g/m ³)	: No data available
Explosive Limits (vol %)	: No data available

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SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity** : Hazardous reactions will not occur under normal conditions.
- 10.2 Chemical Stability** : Stable under recommended handling and storage conditions (see section 7).
- 10.3 Possibility Of Hazardous Reactions** : Hazardous polymerization will not occur.
- 10.4 Conditions To Avoid** : Direct sunlight, extremely high or low temperatures, and incompatible materials.
- 10.5 Incompatible Materials** : Strong acids, strong bases, strong oxidisers.
- 10.6 Hazardous Decomposition** : None expected under normal conditions of use.
- Products**

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

- Likely Routes Of Exposure** : Ingestion. Dermal. Eye contact.
- Acute Toxicity (Oral)** : Not classified.
- Acute Toxicity (Dermal)** : Not classified.
- Acute Toxicity (Inhalation)** : Not classified.
- Eye Damage/Irritation** : Not classified.
- Skin Corrosion/Irritation** : Not classified.
- Respiratory Sensitizer** : Not classified.
- Skin Sensitization** : Not classified.
- Germ Cell Mutagenicity** : Not classified.
- Carcinogenicity** : Not classified.
- Reproductive Toxicity** : Not classified.
- Specific Target Organ Toxicity (Single Exposure)** : Not classified.
- Specific Target Organ Toxicity (Repeated Exposure)** : Not classified.
- Aspiration Hazard** : Not classified.

Sodium Fluoride (7681-49-4)	
LD50 Oral Rat	148.5 mg/kg
LD50 Dermal Rat	> 2000 mg/kg (no details given)
Glycine, N-Methyl-N-(1-Oxododecyl)-, Sodium Salt (137-16-6)	
LD50 Oral Rat	> 5000 mg/kg
LC50 Inhalation Rat	0.5 mg/l/4h
1,2,3-Propanetriol (56-81-5)	
LD50 Oral Rat	12600 mg/kg
LD50 Dermal Rabbit	> 10 g/kg
Polyethylene Glycol (25322-68-3)	
LD50 Oral Rat	22 g/kg
LD50 Dermal Rabbit	> 20 g/kg
D-Limonene (5989-27-5)	
IARC Group	3
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Ecotoxicity

- Aquatic Acute Toxicity** : Not classified.
- Aquatic Chronic Toxicity** : Not classified.
- Other Information** : Avoid unintended release to the environment.

Sodium Fluoride (7681-49-4)	
LC50 Fish 1	> 530 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
EC50 Crustacea 1	338 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	830 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [semi-static])
EC50 Crustacea 2	98 mg/l (Exposure time: 48 h - Species: Daphnia magna [static])
NOEC Chronic Crustacea	8.2 mg/l
Glycine, N-Methyl-N-(1-Oxododecyl)-, Sodium Salt (137-16-6)	
LC50 Fish	107 mg/l (Exposure time: 96 h - Species: Danio rerio)
1,2,3-Propanetriol (56-81-5)	
LC50 Fish	51000 – 57000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

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12.2. Persistence and Degradability

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Persistence And Degradability	Not established.

12.3. Bioaccumulative Potential

Not established.

1,2,3-Propanetriol (56-81-5)	
BCF Fish	No bioaccumulation.
Partition coefficient n-octanol/water (Log POW)	-1.76

12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

Hazardous To The Ozone Layer : Not classified.

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Disposal Methods, Precautions

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Ecology - Waste Materials: Avoid unnecessary release into environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1 In Accordance with UNRTDG

Not regulated for transport

14.2 In Accordance with IATA

Not regulated for transport

14.3 In Accordance with IMDG

Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. Occupational Safety and Health Act

Hazardous Substances Prohibited for Manufacturing	: Not applicable	
Hazardous Substances Requiring Permission	: Not applicable	
Threshold Limit Values Chemicals	: Applicable	Fluorides, as F
Threshold Limit Values Chemicals	: Applicable	Glycerin mist
Hazardous Substances Below Permissible Level	: Not applicable	
Hazardous Substances Subject to Working Environment Measurement	: Not applicable	
Hazardous Substances Subject to Workers Requiring Health Examination	: Not applicable	
Hazardous Substances Subject to Control	: Not applicable	

15.2. Chemicals Control Act

Toxic Chemicals	: Not applicable
Prohibited Chemicals	: Not applicable
Restricted Chemicals	: Not applicable
Substance requiring preparation for accidents	: Not applicable

15.3. ACT ON REGISTRATION, EVALUATION, ETC. OF CHEMICALS (K-REACH)

Korea Existing Chemicals Inventory (KECI)	: KECI-No. : KE-31540. Sodium monofluoride
Korea Existing Chemicals Inventory (KECI)	: KECI-No. : KE-21878. N-Lauroylsarcosine sodium salt ; Gardol
Korea Existing Chemicals Inventory (KECI)	: KECI-No. : KE-29297. Glycerol
Korea Existing Chemicals Inventory (KECI)	: KECI-No. : KE-20228. α -Hydro- ω -hydroxypoly(oxy-1,2-ethanediyl)
Priority Existing Chemical ('PEC') – subject to registration	: PEC-No. : 322. Sodium monofluoride
Priority Control Substances (Korea)	: Not applicable
CMR Substances (Korea)	: Not applicable

15.4. Safety Control of Dangerous Substances Act

Safety Control of Dangerous Substances Act	: Sodium fluoride
Safety Control of Dangerous Substances Act	: Glycerin
Safety Control of Dangerous Substances Act	: Poly(ethylene glycol) 400

15.5. Wastes Control Act

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Hazardous Substances in Designated wastes : Not applicable

15.6. Other Domestic and International Regulatory Information

Domestic Regulations

Persistent Organic Pollutants(POPs) Control Act : Not applicable

Ozone Depleting Substances(ODS) : Not applicable

International Inventories/Lists

Sodium Fluoride (7681-49-4)
Regulatory Reference Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List) Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Japanese Poisonous and Deleterious Substances Control Law Japanese Pollutant Release and Transfer Register Law (PRTR Law) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory)
Glycine, N-Methyl-N-(1-Oxododecyl)-, Sodium Salt (137-16-6)
Regulatory Reference Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List) Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory)
1,2,3-Propanetriol (56-81-5)
Regulatory Reference Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List) Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory)
Polyethylene Glycol (25322-68-3)
Regulatory Reference Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List) Listed on the EU NLP (No Longer Polymers) inventory Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on the TCSI (Taiwan Chemical Substance Inventory)
Cyclohexanone, 5-Methyl-2-(1-Methylethyl)-, (2S-Trans)- (14073-97-3)
Regulatory Reference Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List)

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Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
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Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

International Agreements

No additional information available

SECTION 16: OTHER INFORMATION

Date of Issue : 2022/04/15
Information Sources and References : Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS.
Other Information : This SDS is prepared in accordance with the SDS requirements of the Ministry of Employment and Labor (MOEL) of South Korea public notice No. 2020-130

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