



SAFETY DATA SHEET



1. IDENTIFICATION

Product identifier

Product name: Glister® Concentrated Multi-Action Oral Rinse

Other means of identification

Product code: E9949, E9529

Synonyms: Glister® Concentrated Anti-Plaque Mouthwash

Recommended use of the chemical and restrictions on use

Recommended use: Personal care product. Oral hygiene. Consumer use.

Uses advised against: No information available

Details of the supplier of the safety data sheet

Product information:	Manufacturer
Amway Canada Corporation	Access Business Group, LLC
375 Exeter Road	7575 Fulton Street East
London, Ontario N5Y 5V6	Ada, MI 49355
Information #: 1-800-265-5470	USA
	Tel: 1-800-253-6500

E-mail address: sds@amway.com

Emergency telephone number

For Transportation Emergencies: ChemTrec @ 1-800-424-9300

Emergency Telephone Number: For Poisoning Emergencies call Amway's poison control service in the United States at 1-616-787-6307. This is a 24-hour number.

2. HAZARD IDENTIFICATION

Classification

Flammable liquids	Category 3
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Label elements



Warning

Hazard statements:

Flammable liquid and vapour

Precautionary Statements - Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof electrical (ventilation and lighting) equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Skin

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Fire

In case of fire: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

- Toxic to aquatic life with long lasting effects
- Avoid contact with eyes and skin
- Causes mild skin irritation

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Common Name	CAS #	Weight %
Ethyl alcohol	Alcohol	64-17-5	20-30
Glycerin	Glycerin	56-81-5	10-20
Flavour	Flavoring mixture	INCI 11087	5-10
Pyridinium, cetyl-, chloride	CPC	6004-24-6	1-5

Percentages are expressed as a ratio of the weight of the ingredient to the weight of the controlled product (lbs.)

4. FIRST AID MEASURES

First aid measures

Eye contact: Remove contact lenses. Rinse with gentle stream of water for 15 minutes, holding eyelids open. Get medical advice by calling an anti-poison center, doctor or hospital emergency room.

Skin contact: Rinse skin thoroughly with water.

Inhalation: Move to fresh air. If irritation or breathing difficulty develops, GET MEDICAL ADVICE by calling an anti-poison center, doctor or hospital emergency room.

Ingestion: If victim is a child, give 120-240 millilitres of water. For adults, give 240-360 millilitres of water. Do not induce vomiting when this product is swallowed. If vomiting occurs spontaneously, keep victim in an upright position. GET MEDICAL ADVICE by calling an anti-poison centre, doctor or hospital emergency room.

Protection of first-aiders: Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

Indication of any immediate medical attention and special treatment needed

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Suitable extinguishing media:
Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media:
No information available.

Specific hazards arising from the chemical

Flammable. Avoid ignition sources.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions:
Remove all sources of ignition. Wear appropriate personal protection equipment (respirator, gloves, goggles, and/or faceshield, boots, protective clothing).

For emergency responders:
Use personal protective equipment as required.

Environmental precautions

See Section 12 for additional Ecological Information. Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Methods for containment:
Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods for cleaning up:
Remove all sources of ignition. Collect spillage. Dispose of in accordance with all national and local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling:

Avoid contact with skin and eyes. Keep away from open flames, hot surfaces and sources of ignition. Do not smoke.

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage conditions:

Keep container tightly closed. Keep cool. Protect from sunlight. Do not freeze. No special restrictions on storage with other products.

Incompatible materials:

Contact with highly reactive chemicals like strong acids, strong bases, oxidizers or reducing agents may cause a dangerous reaction.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits:

Chemical Name	Canada - Ontario - TWA	Canada - Ontario - STEL	Canada - Ontario - Ceiling Values	Canada - Ontario - Skin Notation
Ethyl alcohol		1000 ppm		
Glycerin	10 mg/m ³			

Derived No Effect Level (DNEL):

No information available.

Predicted No Effect Concentration (PNEC):

No information available.

Appropriate engineering controls

Engineering measures:

Mechanical ventilation is not normally necessary when this product is used according to label directions.

Individual protection measures, such as personal protective equipment

Eye/face protection:

Follow label directions. No special technical protective measures are necessary. Avoid contact with eyes. Where use conditions and/or extent and duration of exposure differ from typical household consumer use, appropriate protective equipment may be necessary to minimize exposures.

Hand protection:

Follow label directions. Skin protection is not normally necessary when this product is used according to label directions. Where use conditions and/or extent and duration of exposure differ from typical household consumer use, appropriate protective equipment may be necessary to minimize exposures.

Skin and body protection:

Follow label directions. Skin and body protection is not normally necessary when this product is used according to product label directions. Where use conditions and/or extent and duration of exposure differ from typical household consumer use, appropriate protective equipment may be necessary to minimize exposures.

Respiratory protection: Follow label directions. Respiratory protective equipment is not normally necessary when this product is used according to label directions. Where use conditions and/or extent and duration of exposure differ from typical household consumer use, appropriate protective equipment may be necessary to minimize exposures.

General industrial hygiene practice: This product is sold as a consumer product. Where use conditions and/or extent and duration of exposure differ from typical household consumer use, appropriate protective equipment may be necessary to minimize exposures. Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state:	Liquid	Odour:	Mint-like
Appearance:	Clear	Odour threshold:	No information available
Colour:	Dark green		
Property	Values	Remarks • Method	
pH:	5.0 - 7.0	No information available	
Melting point/freezing point:		No information available	
Boiling point/boiling range:		No information available	
Flash point:	25 °C / 77 °F	Tag Closed Cup	
Evaporation rate:		No information available	
Flammability (solid, gas):		No information available	
Flammability limit in air:			
Upper flammability limit:			
Lower flammability limit			
Vapour pressure:		No information available	
Vapour density:		No information available	
Specific Gravity:	1.015 - 1.035	No information available	
Water solubility:		No information available	
Solubility(ies):		No information available	
Partition coefficient		No information available	
Auto-ignition temperature:		No information available	
Decomposition temperature:		No information available	
Kinematic viscosity:		No information available	
Dynamic viscosity:			
Explosive properties:	No information available		
Oxidising properties:	No information available		
Softening point:	No information available		
Molecular weight:	No information available		
VOC content (%):	No information available		
Density:	No information available		
Bulk density:	No information available		

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stability:
Stable under normal conditions.

Sensitivity to mechanical impact:

None.

Sensitivity to static discharge:

May be ignited by friction, heat, sparks or flames.

Possibility of hazardous reactions

Contact with highly reactive chemicals like strong acids, strong bases, oxidizers or reducing agents may cause a dangerous reaction.

Conditions to avoid

Heat, flames and sparks. Keep out of reach of children.

Incompatible materials:

Not determined.

Hazardous decomposition products

Not determined.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Aggravated medical conditions: Exposure to this product may aggravate pre-existing skin, eye, and respiratory disorders.

Principle routes of exposure: Eye contact, skin contact, ingestion, inhalation

Inhalation: Inhalation can cause irritation of the upper respiratory tract. See additional information below.

Eye contact: Non-irritant. Data obtained on this product or a similar product.

Skin contact: Contact with undiluted product can cause mild skin irritation. Patch test on human volunteers did not demonstrate sensitisation properties.

Ingestion: Ingestion of this product can cause irritation of the mouth and throat, upset stomach, nausea, vomiting and diarrhea.

Further information: Inhalation overexposure to ethanol vapours can cause headache, nausea, dizziness and drowsiness. Studies in laboratory animals involving prolonged and repeated inhalation exposures to ethanol resulted in liver damage. Prolonged and repeated oral dosing of laboratory animals has caused mutagenic and developmental toxicity. The International Agency for Research on Cancer (IARC) has reported ethanol to be carcinogenic (based on chronic ingestion of alcoholic beverages).

Product information

Oral LD50 > 5000 mg/kg (rat), Bridging principle "Substantially similar mixtures"

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl alcohol 64-17-5	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h
Glycerin 56-81-5	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 570 mg/m ³ (Rat) 1 h

Information on toxicological effects

Symptoms: No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Mild skin irritation.
Serious eye damage/eye irritation Non-irritant. Data obtained on this product or a similar product.
Sensitisation: Patch test on human volunteers did not demonstrate sensitisation properties.
Germ cell mutagenicity: None known.
Carcinogenicity: Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage

Chemical Name	ACGIH	IARC (International Agency for Research on Cancer)	NTP	OSHA
Ethyl alcohol 64-17-5	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans	Group 1	Known	X

Legend

ACGIH (American Conference of Governmental Industrial Hygienists) A3 - Animal Carcinogen
 IARC (International Agency for Research on Cancer) Group 1 - Carcinogenic to Humans
 NTP (National Toxicology Program) Known - Known Carcinogen
 OSHA (Occupational Safety and Health Administration of the US Department of Labour) X - Present

Reproductive toxicity: Product is or contains a chemical which is a known or suspected reproductive hazard. Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage.
STOT - single exposure: No known effects under normal use conditions.
STOT - repeated exposure: No known effects under normal use conditions.
Aspiration hazard: No hazard from product as supplied.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life. Aquatic Toxicity (Acute): Aquatic Acute 1, Chronic Aquatic Toxicity: Chronic - 2

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Ethyl alcohol 64-17-5	-	12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 10800: 24 h Daphnia magna mg/L EC50
Glycerin 56-81-5	-	51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static	500: 24 h Daphnia magna mg/L EC50

Persistence and degradability

No information available.

Bioaccumulation

Chemical Name	Partition coefficient
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Ethyl alcohol 64-17-5	-0.32
Glycerin 56-81-5	-1.76

Mobility in soil

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging: Only empty packaging can be recycled.

14. TRANSPORT INFORMATION

The listed transportation classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptions.

DOT:

UN/ID No.: UN1170
Proper shipping name: Ethanol Solution
Hazard class: 3
Packing group: III

IMDG/ADR:

UN/ID No.: UN1170
Proper shipping name: Ethanol Solution
Hazard class: 3
Packing group: III
Marine pollutant: Cetylpyridinium Chloride

ICAO/IATA:

UN/ID No.: UN1170
Proper shipping name: Ethanol Solution
Hazard class: 3
Packing group: III
Marine pollutant: Cetylpyridinium Chloride

The information contained in this document is subject to change or update due to changing government regulations. The user of this document assumes responsibility for complying with all applicable national and international laws and regulations regarding the shipment of Dangerous Goods

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).
This SDS contains all of the information required by the HPR.

16. OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA - TWA (Time-Weighted Average)

STEL - STEL (Short Term Exposure Limit)

WHMIS (Workplace Hazardous Materials Information System)

The information contained herein is believed to be accurate and represents the best information currently available to us, much of which comes from the manufacturer or supplier of components of this product. Therefore, Access Business Group LLC makes no warranty, express or implied, regarding the accuracy of the data. Health and safety precautions in this data sheet may not be adequate for all individuals and product uses. It is the user's obligation to make certain that this SDS is the most current SDS for the product; to evaluate the information contained in this sheet in connection with the uses to which the product is to be put in the workplace and to use the product safely in accordance with applicable laws and regulations.

Prepared By: Access Business Group LLC, Environmental, Health and Safety Department, Ada, Michigan, U.S.A.

This data sheet contains changes from the previous version in section(s): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16

*****END OF SAFETY DATA SHEET*****