

Safety Data Sheet

according to WHMIS

GYEON Q2M Foam

Revision date: 30.04.2024

Product code: GM0013_CA

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1. Identification

Product identifier

GYEON Q2M Foam

Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Vehicle cleaning product - strong cleaning and pre-wash functionality.
Enthusiasts and professional use (End consumer)

Uses advised against

All uses other than the identified

Details of the supplier of the safety data sheet

Company name: CARZILLA
Street: Unit 146 - 239 Mayland Place NE,
Place: CDN-AB T2E7Z8 Calgary
Telephone: +1 (877) 805-9198
Contact person: Chris Lee
Internet: info@carzilla.ca

Emergency telephone number: +1 (877) 805-9198

2. Hazard identification

Classification of the substance or mixture

WHMIS 2015

Substance or mixture corrosive to metals: Met. Corr. 1
Skin corrosion/irritation: Skin Corr. 1
Serious eye damage/eye irritation: Eye Dam. 1
Respiratory or skin sensitization: Skin Sens. 1
Reproductive toxicity: Repr. 1B

The mixture was classified as corrosive precautionary due to an extreme pH-value (pH >= 11,5).

Label elements

WHMIS 2015

Signal word: Danger

Pictograms:



Hazard statements

May be corrosive to metals.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
May damage fertility or the unborn child.

Precautionary statements

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wear protective gloves and eye protection/face protection.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Dispose of contents/container to local/regional/national/international regulations.

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Other hazards

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

3. Composition/information on ingredients

Mixtures

Relevant ingredients

CAS No	Chemical name	Quantity
9004-82-4	sodium lauryl ether sulfate	10 - < 30% (*)
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	3 - < 7% (*)
64-17-5	ethanol; ethyl alcohol	1 - < 5% (*)
1589-47-5	2-methoxypropanol	0.1 - < 1% (*)
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene (LIMONENE)	0.1 - < 1% (*)

(*) The actual concentration is withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Seek medical treatment immediately.

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing.

After contact with eyes

Seek medical treatment immediately.

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Rinse mouth thoroughly with water. Let water be drunk in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

Most important symptoms and effects, whether acute or delayed

Causes severe skin burns and eye damage.

If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).

Indication of immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO2). Dry extinguishing powder. Alcohol resistant foam. Atomized water.

Unsuitable extinguishing media

High power water jet.

Specific hazards arising from the hazardous product

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO2). Phosphorus oxides. Sulfur oxides.

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Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

General advice

See protective measures under point 7 and 8.

For non-emergency personnel

Wear personal protection equipment (refer to section 8).

For emergency responders

No special measures are necessary.

Environmental precautions

Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

7. Handling and storage

Precautions for safe handling

Advice on safe handling

Wear suitable protective clothing. (See section 8.)

Advice on protection against fire and explosion

Usual measures for fire prevention.

Advice on general occupational hygiene

Always close containers tightly after the removal of product. When using do not eat, drink or smoke. Wash hands before breaks and after work.

Further information on handling

General protection and hygiene measures: refer to chapter 8

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20 °C

Protect against: frost. UV-radiation/sunlight. heat. Humidity

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8. Exposure controls/Personal protection

Control parameters

Exposure limits (ACGIH)

CAS No	Chemical name	ppm	mg/m ³	F/ml	Category	Origin
5392-40-5	Citral (inhalable fraction and vapor)	5			TWA (8 h)	ACGIH-2023
34590-94-8	Dipropylene glycol methyl ether (DPGME): (2-Methoxymethylethoxy)propanol	50			TWA (8 h)	ACGIH-2023
64-17-5	Ethanol	1000			STEL (15 min)	ACGIH-2023

Exposure controls



Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Standards: CSA Z94.3

Hand protection

When selecting skin protection, please refer to CCOHS recommendations on Personal Protective Equipment.

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of the glove material: 0,4 mm

Breakthrough time \geq 8 h

Butyl rubber. - Thickness of the glove material: 0,5 mm

Breakthrough time \geq 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of the glove material: 0,5 mm

Breakthrough time \geq 8 h

NBR (Nitrile rubber). - Thickness of the glove material: 0,35 mm

Breakthrough time \geq 8 h

PVC (Polyvinyl chloride). - Thickness of the glove material: 0,5 mm

Breakthrough time \geq 8 h

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The selected protective gloves should satisfy the specifications of standards like ISO 374.

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

Generation/formation of aerosols

Exceeding exposure limit values

Insufficient ventilation

Suitable respiratory protective equipment: Combination filter device (e.g., airline respirators with an airpurifying

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filter) EN 14387 or 29 CFR 1910.134 standard or regional standards like Z94.4.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

No special precautionary measures are necessary.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	liquid	
Colour:	colourless	
Odour:	Squash	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		100 °C
Lower explosive limits:		not determined
Upper explosive limits:		not determined
Flash point:		>100 °C
Auto-ignition temperature:		not determined
Decomposition temperature:		not determined
pH-Value:		13
Viscosity / kinematic:		not determined
Water solubility:		not determined
Solubility in other solvents		not determined
Partition coefficient n-octanol/water:		SECTION 12: Ecological information
Vapour pressure:		not determined
Density:		not determined
Relative vapour density:		not determined

Other information

Information with regard to physical hazard classes

Explosive properties	
none	
Sustaining combustion:	Not sustaining combustion
Self-ignition temperature	
Gas:	not determined
Oxidizing properties	
none	

Other safety characteristics

Evaporation rate:	not determined
Solvent separation test:	not determined
Solvent content:	not determined
Solid content:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Viscosity / dynamic:	not determined
Flow time:	not determined

10. Stability and reactivity

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Reactivity

No information available.

Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

Possibility of hazardous reactions

Refer to chapter 10.5.

Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

Hazardous decomposition products

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO₂). Phosphorus oxides. Sulfur oxides.

11. Toxicological information

Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 5000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
9004-82-4	sodium lauryl ether sulfate				
	oral	LD50 >2000 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rat	ECHA Dossier	
64-17-5	ethanol; ethyl alcohol				
	oral	LD50 10470 mg/kg	Rat	REACH Dossier	OECD Guideline 401
	inhalation (4 h) vapour	LC50 124,7 mg/l	Rat	REACH Dossier	OECD Guideline 403
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene (LIMONENE)				
	oral	LD50 > 2000 mg/kg	Rat	REACH Dossier	OECD Guideline 423
	dermal	LD50 > 5000 mg/kg		REACH Dossier	

Irritation and corrosivity

Skin corrosion/irritation: Causes severe skin burns and eye damage. (On basis of test data)

Serious eye damage/eye irritation: Causes serious eye damage. (On basis of test data)

Sensitizing effects

May cause an allergic skin reaction. ((R)-p-mentha-1,8-diene; d-limonene (LIMONENE); citral)

Carcinogenic/mutagenic/toxic effects for reproduction

May damage fertility or the unborn child. (2-methoxypropanol)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Ethanol:

In-vitro mutagenicity: No experimental indications of mutagenicity in-vitro exist. Reproductive toxicity: Exposure

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time: 18 weeks Species: CD-1 Mouse. Method: OECD Guideline 416
 Result: NOAEL = 20700 mg/kg/day Developmental toxicity/teratogenicity: Exposure time: 19d Species: Sprague-Dawley Rat. Method: OECD Guideline 414 Result: NOAEL = 16000 ppm (maternal toxicity) Result: NOAEL >= 20000 ppm (teratogenicity) Literature information: REACH Dossier

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Ethanol:

Subchronic oral toxicity:

Exposure time: 90d; Species: Sprague-Dawley Rat.

Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents); Result: NOAEL = 1280 mg/kg; Literature information: REACH Dossier

Aspiration hazard

Based on available data, the classification criteria are not met.

Information on likely routes of exposure

Ingestion: May be harmful if swallowed. Inhalation: May be harmful if inhaled. Skin contact: Can cause irritation.

Eye contact: Can cause irritation.

Specific effects in experiment on an animal

No data available.

Name of toxicologically synergistic products

No data available

12. Ecological information

Ecotoxicity

No data available.

Persistence and degradability

No data available.

Bioaccumulative potential

No indication of bioaccumulation potential.

Mobility in soil

No data available.

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

13. Disposal considerations

Waste treatment methods

Disposal recommendations

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

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14. Transport information

Canadian TDG

UN number:

UN 1719

Proper shipping name:

CAUSTIC ALKALI LIQUID, N.O.S. (sodium lauryl ether sulfate, Tetrasodium pyrophosphate)

Hazard classes:

8

Packing group:

III

Hazard label:

8

Limited quantity:

5 L



Marine transport (IMDG)

UN number or ID number:

UN 1719

United Nations proper shipping name:

CAUSTIC ALKALI LIQUID, N.O.S. (sodium lauryl ether sulfate, Tetrasodium pyrophosphate)

Transport hazard class(es):

8

Packing group:

III

Hazard label:

8



Marine pollutant:

NO

Special Provisions:

223, 274

Limited quantity:

5 L

Excepted quantity:

E1

EmS:

F-A, S-B

Segregation group:

18 - alkalis

Air transport (ICAO-TI/IATA-DGR)

UN number or ID number:

UN 1719

United Nations proper shipping name:

CAUSTIC ALKALI LIQUID, N.O.S. (sodium lauryl ether sulfate, Tetrasodium pyrophosphate)

Transport hazard class(es):

8

Packing group:

III

Hazard label:

8



Special Provisions:

A3 A803

Limited quantity Passenger:

1 L

Passenger LQ:

Y841

Excepted quantity:

E1

IATA-packing instructions - Passenger:

852

IATA-max. quantity - Passenger:

5 L

IATA-packing instructions - Cargo:

856

IATA-max. quantity - Cargo:

60 L

Environmental hazards

ENVIRONMENTALLY HAZARDOUS:

No

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15. Regulatory information

Canadian regulations

DSL/NDSL inventory status

Listed:

sodium lauryl ether sulfate (CAS: 9004-82-4)

D-Glucopyranose, oligomers, decyl octyl glycosides (CAS: 68515-73-1)

ethanol; ethyl alcohol (CAS: 64-17-5)

2-methoxypropanol (CAS: 1589-47-5)

National Pollutant Release Inventory (NPRI)

ethanol; ethyl alcohol (CAS: 64-17-5):

NPRI Part (threshold category): 5 (Reporting threshold: 1 tonne air release, VOC)

WHMIS classification

No data available

Provincial regulations

No data available

Additional information

This mixture is classified as hazardous in accordance with WHMIS 2015.

16. Other information

Changes

Rev. 1.0; 31.07.2015, Initial release

Rev. 1.1; 01.09.2016, Changes in section: 1, 16.

Rev. 2.0; 21.05.2019, Changes in section: 2-16.

Rev. 3.0; 14.05.2020, Revision Changes in section: 2-16.

Rev. 3.1; 26.11.2020, Revision Changes in section: 2-16.

Rev. 3.2; 11.02.2021, Revision

Rev. 3.3; 07.09.2021, Changes in section: 2-16.

Rev. 4.0; 05.01.2023, Revision Changes in section: 2-16.

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Abbreviations and acronyms

ACGIH: American Conference of Governmental Industrial Hygienists
ASTM: American Society for Testing and Materials.
ATE: acute toxicity estimate
BCF: Bio concentration factor
CAS: Chemical Abstracts Service
d: days
DSL: Domestic Substance List; LIS: La liste intérieure des substances
EC50: Half maximal effective concentration
EN: European Norm
ECHA: European Chemicals Agency
EPA: Environmental Protection Agency
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
h: hours
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
IBC: Intermediate Bulk Container
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
LOAEL: Lowest observed adverse effect level
LOAEC: Lowest observed adverse effect concentration
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
MARPOL: marine pollution
NOAEL: No observed adverse effect level
NOAEC: No observed adverse effect concentration
NTP: National Toxicology Program
N/A: not applicable
NDSL: Non-Domestic Substance List
UN: United Nations
OECD: Organisation for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PBT: Persistent bioaccumulative toxic
RTECS: Registry of Toxic Effects of Chemical Substances
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
SIMDUT: Système d'information sur les matières dangereuses utilisées au travail
STEL: short-term exposure limits
TDG: Transportation of Dangerous Goods
TWA: time weighted average
TWAEV: TIME-WEIGHTED AVERAGE EXPOSURE VALUE
VOC: Volatile Organic Compounds
WHMIS: Workplace Hazardous Materials Information System

Further Information

Classification according WHMIS 2015 (GHS): - Classification procedure:
Health hazards: Calculation method.
Environmental hazards: Calculation method.
Physical hazards: On basis of test data and / or calculated. and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of

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processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)