

## Safety Data Sheet

according to WHMIS

### GYEON Q2M TireCleaner

Revision date: 02.05.2024

Product code: GM0021\_CA

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## 1. Identification

### Product identifier

GYEON Q2M TireCleaner

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

#### Use of the substance/mixture

Vehicle cleaning product - designed to clean and remove dirt from rubber and tyres.  
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

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

### Label elements

#### WHMIS 2015

**Signal word:** Danger

**Pictograms:**



#### Hazard statements

May be corrosive to metals.

Causes severe skin burns and eye damage.

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

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Dispose of contents/container to local/regional/national/international regulations.

### Other hazards

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

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### 3. Composition/information on ingredients

#### Mixtures

##### Relevant ingredients

CAS No	Chemical name	Quantity
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	1 - < 5% (*)
7601-54-9	Trisodium orthophosphate	1 - < 5% (*)
1310-73-2	Sodium hydroxide; caustic soda	1 - < 5% (*)
6834-92-0	disodium metasilicate	0.5 - < 1.5% (*)
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	0.5 - < 1.5% (*)

(\*) 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 drunken 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 (CO<sub>2</sub>). 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 (CO<sub>2</sub>). Phosphorus 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 <sup>3</sup>	F/ml	Category	Origin
111-76-2	2-Butoxyethanol	20			TWA (8 h)	ACGIH-2023
1310-73-2	Sodium hydroxide		2		Peak	ACGIH-2023

#### Biological limit values

CAS No	Chemical name	Parameter	Value	Test material	Sampling time
111-76-2	2-BUTOXYETHANOL (ACGIH 2023)	Butoxyacetic acid (BAA) (with hydrolysis, creatinine)	200 mg/g	urine	End of shift

#### Additional advice on limit values

Quebec:

TWA: - ppm, mg/m<sup>3</sup>; STEL/ Ceiling Limit: - ppm, - mg/m<sup>3</sup>

Alberta:

TWA: - ppm, mg/m<sup>3</sup>; STEL/ Ceiling Limit: - ppm, - mg/m<sup>3</sup>

British Columbia:

TWA: - ppm, mg/m<sup>3</sup>; STEL/ Ceiling Limit: - ppm, - mg/m<sup>3</sup>

Ontario:

TWA: - ppm, mg/m<sup>3</sup>; STEL/ Ceiling Limit: - ppm, - mg/m<sup>3</sup>

### 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 >= 8 h

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

Breakthrough time >= 8 h

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

Breakthrough time >= 8 h

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

Breakthrough time >= 8 h

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

Breakthrough time >= 8 h

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves

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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:

Exceeding exposure limit values

Suitable respiratory protective equipment: Half-mask with filter EN 149 or 29 CFR 1910.134 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:	odourless	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		102 °C
Lower explosive limits:		not determined
Upper explosive limits:		not determined
Flash point:		>102 °C
Auto-ignition temperature:		not determined
Decomposition temperature:		not determined
pH-Value:		12
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
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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

### 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

Does not decompose when used for intended uses.

Can be released in case of fire: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. Phosphorus oxides.

## 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

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

#### ATEmix calculated

ATE (oral) > 5000 mg/kg; ATE (dermal) > 5000 mg/kg; ATE (inhalation vapour) > 50 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
7601-54-9	Trisodium orthophosphate				
	oral	LD50 > 2000 mg/kg	Rat	ECHA Dossier	OECD Guideline 420
	dermal	LD50 > 2000 mg/kg	Rat	ECHA Dossier	OECD Guideline 402
	inhalation (4 h) dust/mist	LC50 > 0,83 mg/l	Rat	ECHA Dossier	EPA OPP 81-3
6834-92-0	disodium metasilicate				
	dermal	LD50 > 5000 mg/kg	Rat	ECHA Dossier	EPA OPPTS 870.1200
	inhalation (4 h) vapour	LC50 > 2,06 mg/l	Rat	ECHA Dossier	EPA OPPTS 870.1300
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve				
	oral	LD50 1414 mg/kg	Guinea-pig.	ECHA Dossier	

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	dermal	LD50 841 - >2000 mg/kg	Rabbit	ECHA Dossier	
	inhalation vapour	ATE 3 mg/l			

#### 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

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

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

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

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

2-butoxyethanol; ethylene glycol monobutyl ether:

In-vitro mutagenicity: Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test); Result:

negative. ; Literature information: REACH Dossier; Carcinogenicity: Method: OECD Guideline 451

(Carcinogenicity Studies) ; species: Mouse. ; Exposure duration: 2 years; Result: NOAEC = 125 ppm;

Literature information: REACH Dossier; Reproductive toxicity: Method: other guideline: National Toxicology

Programme Continuous Breeding Protocol ; species: Mouse. ; Exposure duration: 90 d. Results: NOAEL = 720

mg/kg; Literature information: REACH Dossier; Developmental toxicity/teratogenicity: Method: OECD

Guideline 414 (Prenatal Developmental Toxicity Study) ; Species: Rabbit. ; Exposure duration: 13 d. Results:

NAOEL = 100 ppm. 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.

2-butoxyethanol; ethylene glycol monobutyl ether:

Subchronic oral toxicity: Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents);

Species: Rat ;Exposure duration: 90 d. Result: NOAEL =< 69 mg/kg; Literature information: REACH Dossier;

Subchronic dermal toxicity: Method: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study);

species: Rabbit (male/female). ; Exposure duration: 90 d. Result: NOAEL => 150 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.

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#### 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.

### 14. Transport information

#### Canadian TDG

##### UN number:

UN 1760

##### Proper shipping name:

CORROSIVE LIQUID, N.O.S. (Sodium hydroxide; caustic soda, Trisodium orthophosphate)

##### Hazard classes:

8

##### Packing group:

III

Hazard label:

8

Limited quantity:

5 L



#### Marine transport (IMDG)

##### UN number or ID number:

UN 1760

##### United Nations proper shipping name:

CORROSIVE LIQUID, N.O.S. (Sodium hydroxide; caustic soda, Trisodium orthophosphate)

##### 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

#### Air transport (ICAO-TI/IATA-DGR)

##### UN number or ID number:

UN 1760

##### United Nations proper shipping name:

CORROSIVE LIQUID, N.O.S. (Sodium hydroxide; caustic soda, Trisodium orthophosphate)

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**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

### 15. Regulatory information

#### **Canadian regulations**

##### **DSL/NDSL inventory status**

Listed:

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

Trisodium orthophosphate (CAS: 7601-54-9)

Sodium hydroxide; caustic soda (CAS: 1310-73-2)

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS: 111-76-2)

disodium metasilicate (CAS: 6834-92-0)

##### **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; Initial release: 17.07.2018

Rev. 2.0; Changes in section: 2,3,6,10,13,15,16; 31.05.2019

Rev. 3.0; 15.05.2020, Revision Changes in section: 2-16

Rev. 3.1; 11.02.2021, Revision

Rev. 3.2; 10.09.2021, Revision 2,3,15,16

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.)*