

## Safety Data Sheet

according to UK REACH Regulation

### GYEON Q2M TireCleaner

Revision date: 05.01.2023

Product code: GM0021

Page 1 of 14

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

GYEON Q2M TireCleaner

### 1.2. 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

Any non-intended use.

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer

Company name: Gyeon Technology  
Street: 1405-538, 212, Gasan digital 1-ro  
Place: Geumcheon-gu, Seoul, Korea  
Telephone: +82-10-4339-3599  
Contact person: Robert Gyeon  
e-mail: sales@gyeon.co

#### Supplier

Company name: Gyeon UK Ltd  
Street: Commercial Quay, 84 Commercial Street  
Place: GB-EH6 6LX Edinburgh  
e-mail: hello@gyeonquartz.uk  
Contact person: Richard Cooper Telephone: +44 (0)7984 056790

### 1.4. Emergency telephone number:

National Poisons Information Service - 03448920111. 'For healthcare professionals only'.

### Further Information

Safety Data Sheet according to UK-REACH Regulation

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GB CLP Regulation

Met. Corr. 1; H290  
Skin Corr. 1; H314  
Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

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

### 2.2. Label elements

#### GB CLP Regulation

#### Hazard components for labelling

D-Glucopyranose, oligomers, decyl octyl glycosides  
Sodium hydroxide; caustic soda  
disodium metasilicate

**Signal word:** Danger

## Safety Data Sheet

according to UK REACH Regulation

### GYEON Q2M TireCleaner

Revision date: 05.01.2023

Product code: GM0021

Page 2 of 14

#### Pictograms:



#### Hazard statements

- H290 May be corrosive to metals.  
 H314 Causes severe skin burns and eye damage.

#### Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### 2.3. Other hazards

The substances in the mixture (> 0.1%) do not meet the PBT/vPvB criteria according to UK REACH. This product does not contain a substance (> 0,1%) that has endocrine disrupting properties with respect to humans as no components meets the criteria. This product does not contain a substance (> 0,1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification (GB CLP Regulation)	
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	3 - < 5 %
	500-220-1	
	Eye Dam. 1; H318	
7601-54-9	Trisodium orthophosphate	1 - < 3 %
	231-509-8	
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335	
1310-73-2	Sodium hydroxide; caustic soda	1 - < 3 %
	215-185-5	
	011-002-00-6	
	Met. Corr. 1, Skin Corr. 1A; H290 H314	
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	1 - < 3 %
	203-905-0	
	603-014-00-0	
	Acute Tox. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H331 H302 H315 H319	
6834-92-0	disodium metasilicate	1 - < 3 %
	229-912-9	
	014-010-00-8	
	Skin Corr. 1B, STOT SE 3; H314 H335	

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	

## Safety Data Sheet

according to UK REACH Regulation

### GYEON Q2M TireCleaner

Revision date: 05.01.2023

Product code: GM0021

Page 3 of 14

68515-73-1	500-220-1	D-Glucopyranose, oligomers, decyl octyl glycosides	3 - < 5 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg	
7601-54-9	231-509-8	Trisodium orthophosphate	1 - < 3 %
		inhalation: LC50 = > 0,83 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg	
1310-73-2	215-185-5	Sodium hydroxide; caustic soda	1 - < 3 %
		Skin Corr. 1A; H314: >= 5 - 100 Skin Corr. 1B; H314: >= 2 - < 5 Skin Irrit. 2; H315: >= 0,5 - < 2 Eye Irrit. 2; H319: >= 0,5 - < 2	
111-76-2	203-905-0	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	1 - < 3 %
		inhalation: ATE 3 mg/l (vapours); dermal: LD50 = 841 - >2000 mg/kg; oral: ATE 1200 mg/kg	
6834-92-0	229-912-9	disodium metasilicate	1 - < 3 %
		dermal: LD50 = >5000 mg/kg	

#### Labelling for contents according to Regulation (EC) No 648/2004

< 5 % non-ionic surfactants, < 5 % phosphates.

#### Further Information

Product does not contain listed SVHC substances > 0.1 % according to UK REACH.

## SECTION 4: First aid measures

### 4.1. 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. In the case of lung irritation: Primary treatment using corticoide spray, eg. Auxiloson spray, Pulmicort-dosage-spray. (Auxiloson and Pulmicort are registered trademarks).

#### 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

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect).

Observe risk of aspiration if vomiting occurs. Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

### 4.2. Most important symptoms and effects, both acute and delayed

Causes severe skin burns and eye damage.

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

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Sand. Foam. Carbon dioxide (CO2). Extinguishing powder.

In case of major fire and large quantities: Water spray jet. Water mist.

## Safety Data Sheet

according to UK REACH Regulation

### GYEON Q2M TireCleaner

Revision date: 05.01.2023

Product code: GM0021

Page 4 of 14

#### Unsuitable extinguishing media

High power water jet.

#### **5.2. Special hazards arising from the substance or mixture**

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

#### **5.3. Advice for firefighters**

In case of fire and/or explosion do not breathe fumes. 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.

### SECTION 6: Accidental release measures

#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### General advice

Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.

##### For non-emergency personnel

Wear personal protection equipment (refer to section 8).

##### For emergency responders

No special measures are necessary.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into soil/subsoil.

#### **6.3. 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.

#### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### SECTION 7: Handling and storage

#### **7.1. Precautions for safe handling**

##### Advice on safe handling

Wear suitable protective clothing. (See section 8.)

Conditions to avoid: aerosol or mist formation

Avoid contact with skin, eyes and clothes.

##### Advice on protection against fire and explosion

Usual measures for fire prevention.

##### Advice on general occupational hygiene

When using do not eat, drink or smoke.

##### Further information on handling

General protection and hygiene measures: See section 8.

#### **7.2. Conditions for safe storage, including any incompatibilities**

##### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Only use containers specifically approved for the substance/product.

Make sure spills can be contained (e.g. sump pallets or kerbed areas).

## Safety Data Sheet

according to UK REACH Regulation

### GYEON Q2M TireCleaner

Revision date: 05.01.2023

Product code: GM0021

Page 5 of 14

#### Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Organic peroxides. Self-reactive substances and mixtures. Radioactive substances. Infectious substances.

#### Further information on storage conditions

Recommended storage temperature: 20 °C

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

#### 7.3. Specific end use(s)

See section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	WEL
1310-73-2	Sodium hydroxide	-	2		STEL (15 min)	WEL

#### Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
111-76-2	2-Butoxyethanol	butoxyacetic acid (creatinine)	240 mmol/mol	urine	Post shift

#### PNEC values

CAS No	Substance	Value
6834-92-0	disodium metasilicate	
	Freshwater	7,5 mg/l
	Marine water	1 mg/l

### 8.2. 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 eye/face protection. BS/EN 166

##### Hand protection

Wear suitable gloves.

Suitable material:

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

Breakthrough time >= 8 h

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

Breakthrough time >= 8 h

## Safety Data Sheet

according to UK REACH Regulation

### GYEON Q2M TireCleaner

Revision date: 05.01.2023

Product code: GM0021

Page 6 of 14

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

Breakthrough time  $\geq$  8 h

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

Breakthrough time  $\geq$  8 h

PVC (Polyvinyl chloride). - Thickness of 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 have to satisfy the specifications of the Personal Protective Equipment at Work (Amendment) Regulations 2022 and the standard EN 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.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

#### Respiratory protection

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

Respiratory protection necessary at:

-Exceeding exposure limit values

-Insufficient ventilation and aerosol or mist formation

Suitable respiratory protective equipment: particulates filter device (DIN EN 143). Type: P1-3

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 information available.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid	
Colour:	colourless	
Odour:	odourless	
Odour threshold:	not determined	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		102 °C
Flammability:		not determined
Lower explosion limits:		not determined
Upper explosion 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		
No information available.		
Dissolution rate:		not relevant
Partition coefficient n-octanol/water:		not determined
Dispersion stability:		not relevant
Vapour pressure:		not determined

## Safety Data Sheet

according to UK REACH Regulation

### GYEON Q2M TireCleaner

Revision date: 05.01.2023

Product code: GM0021

Page 7 of 14

Density:	not determined
Bulk density:	not determined
Relative vapour density:	not determined
Particle characteristics:	not relevant

#### **9.2. Other information**

##### **Information with regard to physical hazard classes**

Explosive properties	none
Sustaining combustion:	No data available
Self-ignition temperature	
Solid:	not relevant
Gas:	not relevant
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

##### **Further Information**

No information available.

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

No information available.

### **10.2. Chemical stability**

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

### **10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.  
Refer to chapter 10.5.

### **10.4. Conditions to avoid**

Protect against: UV-radiation/sunlight. heat.

### **10.5. Incompatible materials**

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

### **10.6. 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

## **SECTION 11: Toxicological information**

### **11.1. Information on hazard classes as defined in GB CLP Regulation**

#### **Toxicokinetics, metabolism and distribution**

No information available.

#### **Acute toxicity**

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

## Safety Data Sheet

according to UK REACH Regulation

### GYEON Q2M TireCleaner

Revision date: 05.01.2023

Product code: GM0021

Page 8 of 14

#### ATEmix calculated

ATE (oral) 120000,0 mg/kg; ATE (inhalation vapour) 300,00 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides				
	oral	LD50 >2000 mg/kg	Rat.	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rabbit.	ECHA Dossier	
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
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve				
	oral	ATE 1200 mg/kg			
	dermal	LD50 841 - >2000 mg/kg	Rabbit	ECHA Dossier	
	inhalation vapour	ATE 3 mg/l			
6834-92-0	disodium metasilicate				
	dermal	LD50 >5000 mg/kg	Rat	ECHA Dossier	

#### Irritation and corrosivity

Causes severe skin burns and eye damage.

Causes serious eye damage.

#### Sensitising effects

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

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

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: ECHA dossier; Carcinogenicity: Method: OECD Guideline 451

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

Literature information: ECHA 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: ECHA dossier; Developmental toxicity/teratogenicity: Method: OECD Guideline

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

100 ppm. Literature information: ECHA 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: ECHA 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: ECHA dossier

## Safety Data Sheet

according to UK REACH Regulation

### GYEON Q2M TireCleaner

Revision date: 05.01.2023

Product code: GM0021

Page 9 of 14

#### Aspiration hazard

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

#### 11.2. Information on other hazards

##### Endocrine disrupting properties

This product does not contain a substance (> 0,1%) that has endocrine disrupting properties with respect to humans as no components meets the criteria.

##### Other information

No data available.

### SECTION 12: Ecological information

#### 12.1. Toxicity

The product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides					
	Acute fish toxicity	LC50 180 mg/l	96 h	Danio rerio	ECHA Dossier	
	Acute algae toxicity	ErC50 (37) mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier	
	Acute crustacea toxicity	EC50 (100) mg/l	48 h	Daphnia magna	ECHA Dossier	
7601-54-9	Trisodium orthophosphate					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Oncorhynchus mykiss	ECHA Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier	EU Method C.3
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna	ECHA Dossier	OECD Guideline 202
	Acute bacteria toxicity	(EC50 > 1000 mg/l)	3 h	activated sludge of a predominantly domestic sewage	ECHA Dossier	OECD Guideline 209
1310-73-2	Sodium hydroxide; caustic soda					
	Acute fish toxicity	LC50 45,4 mg/l	96 h	Oncorhynchus mykiss	IUCLID	
	Acute crustacea toxicity	EC50 40,4 mg/l	48 h	Ceriodaphnia sp.	ECHA Dossier	
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve					
	Acute fish toxicity	LC50 1474 mg/l	96 h	Oncorhynchus mykiss	ECHA Dossier	
	Acute crustacea toxicity	EC50 1800 mg/l	48 h	Daphnia magna	ECHA Dossier	
6834-92-0	disodium metasilicate					
	Acute fish toxicity	LC50 2320 mg/l	96 h	Gambusia affinis	ECHA Dossier	

#### 12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides			
	OECD Guideline 301 E	100%	28	ECHA Dossier

## Safety Data Sheet

according to UK REACH Regulation

### GYEON Q2M TireCleaner

Revision date: 05.01.2023

Product code: GM0021

Page 10 of 14

Easily biodegradable (concerning to the criteria of the OECD)
---

#### 12.3. Bioaccumulative potential

##### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	0,81 (25°C)

#### 12.4. Mobility in soil

No information available.

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

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

#### 12.6. 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 %.

#### 12.7. Other adverse effects

No information available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Dispose of waste according to applicable legislation. Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

##### List of Wastes Code - residues/unused products

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

##### List of Wastes Code - used product

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

##### List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

##### Contaminated packaging

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

### SECTION 14: Transport information

#### Land transport (ADR/RID)

<b>14.1. UN number or ID number:</b>	UN 1760
<b>14.2. UN proper shipping name:</b>	CORROSIVE LIQUID, N.O.S. (Sodium hydroxide; caustic soda, Trisodium orthophosphate)
<b>14.3. Transport hazard class(es):</b>	8
<b>14.4. Packing group:</b>	III

## Safety Data Sheet

according to UK REACH Regulation

### GYEON Q2M TireCleaner

Revision date: 05.01.2023

Product code: GM0021

Page 11 of 14

Hazard label: 8



Classification code: C9  
 Special Provisions: 274  
 Limited quantity: 5 L  
 Excepted quantity: E1  
 Transport category: 3  
 Hazard No: 80  
 Tunnel restriction code: E

#### Inland waterways transport (ADN)

**14.1. UN number or ID number:** UN 1760  
**14.2. UN proper shipping name:** CORROSIVE LIQUID, N.O.S. (Sodium hydroxide; caustic soda, Trisodium orthophosphate)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
 Hazard label: 8



Classification code: C9  
 Special Provisions: 274  
 Limited quantity: 5 L  
 Excepted quantity: E1

#### Marine transport (IMDG)

**14.1. UN number or ID number:** UN 1760  
**14.2. UN proper shipping name:** CORROSIVE LIQUID, N.O.S. (Sodium hydroxide; caustic soda, Trisodium orthophosphate)  
**14.3. Transport hazard class(es):** 8  
**14.4. 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)

**14.1. UN number or ID number:** UN 1760  
**14.2. UN proper shipping name:** CORROSIVE LIQUID, N.O.S. (Sodium hydroxide; caustic soda, Trisodium orthophosphate)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
 Hazard label: 8



Special Provisions: A3 A803

## Safety Data Sheet

according to UK REACH Regulation

### GYEON Q2M TireCleaner

Revision date: 05.01.2023

Product code: GM0021

Page 12 of 14

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

#### **14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

#### **14.6. Special precautions for user**

Safe handling: see section 7

Personal protection equipment: see section 8

#### **14.7. Maritime transport in bulk according to IMO instruments**

not relevant

### SECTION 15: Regulatory information

#### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

##### **EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

2010/75/EU (VOC): not determined

2004/42/EC (VOC): not determined

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

##### **Additional information**

Safety Data Sheet according to UK-REACH Regulation

The mixture is classified as hazardous according to GHS (GB CLP).

UK REACH Appendix XVII, No (mixture): 3

Regulation (EC) No. 648/2004 (Detergents regulation)

##### **National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

#### **15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:

### SECTION 16: Other information

#### **Changes**

Rev. 1.0; Initial release: 17.07.2018

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

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

#### **Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging of substances and mixtures

## Safety Data Sheet

according to UK REACH Regulation

### GYEON Q2M TireCleaner

Revision date: 05.01.2023

Product code: GM0021

Page 13 of 14

DNEL: Derived No Effect Level  
d: day(s)  
EINECS: European INventory of Existing Commercial chemical Substances  
ELINCS: European List of Notified Chemical Substances  
ECHA: European Chemicals Agency  
EWC: European Waste Catalogue  
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER  
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  
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)  
h: hour  
LOAEL: Lowest observed adverse effect level  
LOAEC: Lowest observed adverse effect concentration  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
NOAEL: No observed adverse effect level  
NOAEC: No observed adverse effect concentration  
NLP: No-Longer Polymers  
N/A: not applicable  
OECD: Organisation for Economic Co-operation and Development  
PNEC: predicted no effect concentration  
PBT: Persistent bioaccumulative toxic  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )  
REACH: Registration, Evaluation, Authorisation of Chemicals  
SVHC: substance of very high concern  
TRGS: Technische Regeln für Gefahrstoffe  
UN: United Nations  
VOC: Volatile Organic Compounds

#### Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Met. Corr. 1; H290	Calculation method
Skin Corr. 1; H314	Calculation method
Eye Dam. 1; H318	Calculation method

#### Relevant H and EUH statements (number and full text)

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.

#### Further Information

## Safety Data Sheet

according to UK REACH Regulation

### GYEON Q2M TireCleaner

Revision date: 05.01.2023

Product code: GM0021

Page 14 of 14

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

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