

## Safety Data Sheet

according to UK REACH Regulation

### GYEON Q2M QuickDetailer

Revision date: 05.01.2023

Product code: GM0023

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

### 1.1. Product identifier

GYEON Q2M QuickDetailer

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

#### Use of the substance/mixture

Vehicle maintenance product - spray for gloss and slickness on paint.  
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

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

### 2.2. Label elements

#### Additional advice on labelling

Labelling according to GHS (GB CLP) regulation.: none

### 2.3. Other hazards

The mixture contains the following substances fulfilling the PBT criteria according to UK REACH:

Decamethylcyclopentasiloxane.

The mixture contains the following substances fulfilling the vPvB criteria according to UK REACH:

Decamethylcyclopentasiloxane.

Endocrine disrupting properties: Decamethylcyclopentasiloxane.

This product does not contain a substance (&gt; 0,1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The substance is included in one of the lists of endocrine disruptors (list II (human.)).

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

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#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
64-17-5	ethanol, ethyl alcohol			15 - < 20 %
	200-578-6	603-002-00-5		
	Flam. Liq. 2, Eye Irrit. 2; H225 H319			
541-02-6	Decamethylcyclopentasiloxane			5 - < 7 %
	208-764-9			

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		
64-17-5	200-578-6	ethanol, ethyl alcohol	15 - < 20 %
	inhalation: LC50 = 124,7 mg/l (vapours); oral: LD50 = >5000 mg/kg Eye Irrit. 2; H319: >= 50 - 100		
541-02-6	208-764-9	Decamethylcyclopentasiloxane	5 - < 7 %
	inhalation: LC50 = 7,3 - 10,32 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg		

### 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.

##### After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

##### After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

##### 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.

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

No information available.

#### 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

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

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#### 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. Carbon dioxide (CO<sub>2</sub>).

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

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

Safe handling: see section 7

##### For non-emergency personnel

Wear personal protection equipment (refer to section 8).

##### For emergency responders

No special measures are necessary.

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

Discharge into the environment must be avoided.

#### **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.)

##### 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. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work.

##### 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.

##### Hints on joint storage

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

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#### 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

#### 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
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL

#### 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 safety glasses; chemical goggles (if splashing is possible). BS/EN 166

##### Hand protection

In case of prolonged or frequently repeated skin contact:

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

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

Breakthrough time >= 8 h

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

Breakthrough time >= 8 h

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

Breakthrough time >= 8 h

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.

##### Thermal hazards

No special precautionary measures are necessary.

##### Environmental exposure controls

No special precautionary measures are necessary.

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## SECTION 9: Physical and chemical properties

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

Physical state:	liquid	
Colour:	light blue	
Odour:	coconut	
Odour threshold:	not determined	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		96 °C
Flammability:		not determined
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		90 °C
Auto-ignition temperature:		not determined
Decomposition temperature:		not determined
pH-Value:		8
Viscosity / kinematic:		not determined
Water solubility:		not determined
Solubility in other solvents		not determined
Dissolution rate:		not relevant
Partition coefficient n-octanol/water:		SECTION 12: Ecological information
Dispersion stability:		not relevant
Vapour pressure:		not determined
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:		Not sustaining combustion
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.

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## 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.

## SECTION 11: Toxicological information

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

#### Toxicokinetics, metabolism and distribution

No data available.

#### Acute toxicity

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

CAS No	Chemical name					
	Exposure route	Dose	Species	Source	Method	
64-17-5	ethanol, ethyl alcohol					
	oral	LD50 >5000 mg/kg	Rat.	ECHA Dossier		
	inhalation (4 h) vapour	LC50 124,7 mg/l	Rat.	ECHA Dossier		
541-02-6	Decamethylcyclopentasiloxane					
	oral	LD50 > 5000 mg/kg	Rat	ECHA Dossier		
	dermal	LD50 > 2000 mg/kg	Rabbit	ECHA Dossier		
	inhalation (4 h) dust/mist	LC50 7,3 - 10,32 mg/l	Rat	ECHA Dossier		

#### Irritation and corrosivity

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

#### 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.

#### 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.

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#### Aspiration hazard

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

#### Specific effects in experiment on an animal

No data available.

#### 11.2. Information on other hazards

##### Endocrine disrupting properties

Endocrine disrupting properties: Decamethylcyclopentasiloxane.

The substance is included in one of the lists of endocrine disruptors (list II (human.)).

##### 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
64-17-5	ethanol, ethyl alcohol					
	Acute fish toxicity	LC50 mg/l	14200	96 h	Pimephales promelas	ECHA Dossier
	Acute algae toxicity	ErC50	275 mg/l	72 h	Chlorella vulgaris	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	5012	48 h	Ceriodaphnia dubia	ECHA Dossier
	Crustacea toxicity	NOEC	9,6 mg/l	9 d	Daphnia magna	ECHA Dossier
541-02-6	Decamethylcyclopentasiloxane					
	Acute fish toxicity	LC50 mg/l	> 16	96 h	Oncorhynchus mykiss (Rainbow trout)	ECHA Dossier
	Acute algae toxicity	ErC50 mg/l	> 12		Pseudokirchneriella subcapitata	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	> 2,9	48 h	Daphnia magna	ECHA Dossier
	Fish toxicity	NOEC	16 mg/l	14 d	Oncorhynchus mykiss (Rainbow trout)	ECHA Dossier
	Algae toxicity	NOEC mg/l	> 12	4 d	Pseudokirchneriella subcapitata	ECHA Dossier

#### 12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64-17-5	ethanol, ethyl alcohol			
	not determined	84%	20	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			
541-02-6	Decamethylcyclopentasiloxane			
	OECD 310	0,14	28	ECHA Dossier
	Not easily bio-degradable (according to OECD-criteria).			

#### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

#### Partition coefficient n-octanol/water

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CAS No	Chemical name	Log Pow
64-17-5	ethanol, ethyl alcohol	-0,31
541-02-6	Decamethylcyclopentasiloxane	8,023

#### BCF

CAS No	Chemical name	BCF	Species	Source
541-02-6	Decamethylcyclopentasiloxane	7060	Pimephales promelas	ECHA

#### 12.4. Mobility in soil

No data available.

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

The mixture contains the following substances fulfilling the PBT criteria according to UK REACH:

Decamethylcyclopentasiloxane.

The mixture contains the following substances fulfilling the vPvB criteria according to UK REACH:

Decamethylcyclopentasiloxane.

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 data available.

#### Further information

Do not allow to enter into surface water or drains.

### SECTION 13: Disposal considerations

#### 13.1. 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.

According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

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

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

160306 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes other than those mentioned in 16 03 05

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

160306 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes other than those mentioned in 16 03 05

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

150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); mixed packaging

##### Contaminated packaging

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

### SECTION 14: Transport information

#### Land transport (ADR/RID)

##### 14.1. UN number or ID number:

No dangerous good in sense of these transport regulations.

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**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.  
**14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.  
**14.4. Packing group:** No dangerous good in sense of these transport regulations.

#### Inland waterways transport (ADN)

**14.1. UN number or ID number:** No dangerous good in sense of these transport regulations.  
**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.  
**14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.  
**14.4. Packing group:** No dangerous good in sense of these transport regulations.

#### Marine transport (IMDG)

**14.1. UN number or ID number:** No dangerous good in sense of these transport regulations.  
**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.  
**14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.

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

**14.1. UN number or ID number:** No dangerous good in sense of these transport regulations.  
**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.  
**14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

Refer to section 6 - 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

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):

Decamethylcyclopentasiloxane

Restrictions on use (REACH, annex XVII):

Entry 40, Entry 70

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

This mixture is classified as not hazardous according to GHS (GB CLP).

UK REACH Appendix XVII, No (mixture): 70

#### National regulatory information

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

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

#### Changes

Rev. 1,0; , Initial release: 16.07.2018

Rev. 2,0; 08.03.2019, Changes in chapter: 1-3, 7-8, 11-12, 15, 16.

Rev. 2,1; 22.07.2019, Changes in chapter: 9

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Rev. 2.2; 03.10.2019, Changes in chapter: 3,16  
 Rev. 3.0; 15.05.2020, Revision Changes in chapter: 2-16  
 Rev. 3.1; 11.02.2021, Revision  
 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)  
 AGW: Arbeitsplatzgrenzwert  
 CAS: Chemical Abstracts Service  
 CLP: Classification, Labelling and Packaging of substances and mixtures  
 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: Reglement 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

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

H225 Highly flammable liquid and vapour.  
 H319 Causes serious eye irritation.

#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our

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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.

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