

## Safety Data Sheet

according to UK REACH Regulation

### GYEON Q<sup>2</sup>M Tar

Revision date: 05.12.2023

Product code: GM0051

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

### 1.1. Product identifier

GYEON Q<sup>2</sup>M Tar

UFI: 8408-S6WF-K00Y-2503

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

#### Use of the substance/mixture

Vehicle cleaning product - tar, glue and organic contamination removal.  
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 Stree  
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

Flam. Liq. 3; H226  
Asp. Tox. 1; H304  
Skin Irrit. 2; H315  
Eye Irrit. 2; H319  
Skin Sens. 1; H317  
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### GB CLP Regulation

#### Hazard components for labelling

Distillates (petroleum), hydro-treated light; Kerosine - unspecified  
Orange Oil, Orange, sweet, ext. (CITRUS AURANTIUM DULCIS FRUIT EXTRACT)

Signal word: Danger

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#### Pictograms:



#### Hazard statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

#### 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. In use, may form flammable/explosive vapour-air mixture.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Relevant ingredients

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
64742-47-8	Distillates (petroleum), hydro-treated light; Kerosine - unspecified			60 - < 65 %
	265-149-8	649-422-00-2		
	Asp. Tox. 1; H304			
8028-48-6	Orange Oil, Orange, sweet, ext. (CITRUS AURANTIUM DULCIS FRUIT EXTRACT)			20 - < 25 %
	232-433-8		01-2119493353-35	
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Chronic 2; H226 H315 H317 H304 H411			
56539-66-3	3-methoxy-3-methylbutan-1-ol			15 - < 20 %
	260-252-4			
	Eye Irrit. 2; H319			

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	

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64742-47-8	265-149-8	Distillates (petroleum), hydro-treated light; Kerosine - unspecified	60 - < 65 %
		inhalation: LC50 = > 5,3 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg	
8028-48-6	232-433-8	Orange Oil, Orange, sweet, ext. (CITRUS AURANTIUM DULCIS FRUIT EXTRACT)	20 - < 25 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
56539-66-3	260-252-4	3-methoxy-3-methylbutan-1-ol	15 - < 20 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg	

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

>= 30 % aliphatic hydrocarbons, perfumes (Limonene).

#### 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). Take off immediately all contaminated clothing.

##### After inhalation

Remove person to fresh air and keep comfortable for breathing. In case of respiratory tract irritation, consult a physician.

##### After contact with skin

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

##### After contact with eyes

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. Never give anything by mouth to an unconscious person or a person with cramps. In all cases of doubt, or when symptoms persist, seek medical advice.

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

Causes skin irritation.  
 May produce an allergic reaction.  
 Causes serious eye irritation.  
 Repeated exposure may cause skin dryness or cracking.  
 May be fatal if swallowed and enters airways.  
 Caution if victim vomits: Risk of aspiration!

#### 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 (CO<sub>2</sub>). Dry extinguishing powder. Alcohol resistant foam.  
 In case of major fire and large quantities: Atomized water.

##### Unsuitable extinguishing media

High power water jet.

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

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

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

In case of fire: Wear self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

#### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Use water spray jet to protect personnel and to cool endangered containers.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

### **SECTION 6: Accidental release measures**

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

##### **General advice**

Remove all sources of ignition. Ventilate affected area.

Do not breathe gas/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. Cover drains. Prevent spread over a wide area (e.g. by containment or oil barriers). In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

#### **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.

##### **Other information**

Ventilate affected area.

#### **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**

Provide adequate ventilation as well as local exhaust at critical locations.

Wear suitable protective clothing. (See section 8.)

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

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges.

Flammable vapours can accumulate in head space of closed systems. In use, may form flammable/explosive vapour-air mixture. Heating causes rise in pressure with risk of bursting.

##### **Advice on general occupational hygiene**

The usual precautions for handling chemicals should be considered.

Keep away from food, drink and animal feedingstuffs.

Always close containers tightly after the removal of product. When using do not eat, drink or smoke. Wash hands before breaks and after work. Protect skin by using skin protective cream. Take off contaminated clothing.

##### **Further information on handling**

General protection and hygiene measures: See section 8.

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#### 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. Protect against direct sunlight.

Ensure adequate ventilation of the storage area.

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

##### Hints on joint storage

Do not store together with: Gas. Explosives. Flammable solids. Pyrophoric liquids and solids. Self-heating substances and mixtures. Substances and mixtures which, in contact with water, emit flammable gases.

Oxidizing liquids. Oxidizing solids. ammonium nitrate. Self-reactive substances and mixtures. Organic peroxides. Non-combustible toxic substances. Radioactive substances. Infectious substances.

##### Further information on storage conditions

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

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

storage temperature: 15 - 25 °C

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

See section 1.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
8028-48-6	Orange Oil, Orange, sweet, ext. (CITRUS AURANTIUM DULCIS FRUIT EXTRACT)		
Worker DNEL, long-term	inhalation	systemic	31,1 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	8,89 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	7,78 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	4,44 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	4,44 mg/kg bw/day

##### PNEC values

CAS No	Substance	
Environmental compartment	Value	
8028-48-6	Orange Oil, Orange, sweet, ext. (CITRUS AURANTIUM DULCIS FRUIT EXTRACT)	
Freshwater	0,0054 mg/l	
Marine water	0,00054 mg/l	
Freshwater sediment	1,3 mg/l	
Marine sediment	0,13 mg/l	
Micro-organisms in sewage treatment plants (STP)	2,1 mg/l	
Soil	0,261 mg/kg	

##### Additional advice on limit values

To date, no national critical limit values exist.

#### 8.2. Exposure controls

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#### Appropriate engineering controls

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

Provide adequate ventilation as well as local exhaust at critical locations.

#### 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. (BS EN 374)

Suitable material: Butyl rubber.

Thickness of glove material: 0,5 mm

Breakthrough time  $\geq$  480 min. Penetration time (maximum wearing period): ~ 120 min. (estimated)

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

Wear suitable protective clothing.

##### 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 filtering device (EN 14387) Type: A/P1-3

Half-face mask or quarter facepiece: maximum use concentration for substances with exposure limits: P1 filter: up to a max. of 4 times the exposure limit. P2 filter: up to a max. of 10 times the exposure limit. P3 filter: up to a max. of 30 times the expo.

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

Do not allow uncontrolled discharge of product into the environment.

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	colourless
Odour:	like orange
Odour threshold:	not determined

#### Test method

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	170 °C
Flammability:	not determined

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Lower explosion limits:	not determined
Upper explosion limits:	not determined
Flash point:	60 °C ISO 3679
Auto-ignition temperature:	not determined
Decomposition temperature:	not relevant
pH-Value:	not determined
Viscosity / kinematic:	not determined
Water solubility:	not determined
Solubility in other solvents	
not determined	
Dissolution rate:	not relevant
Partition coefficient n-octanol/water:	not relevant
Dispersion stability:	not relevant
Vapour pressure:	not determined
Density:	not determined
Bulk density:	not relevant
Relative vapour density:	not determined
Particle characteristics:	not relevant

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

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

###### Explosive properties

In use, may form flammable/explosive vapour-air mixture.

###### 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 relevant

###### Softening point:

not relevant

###### Pour point:

not relevant

###### Viscosity / dynamic:

not determined

###### Flow time:

not determined

## SECTION 10: Stability and reactivity

### **10.1. Reactivity**

No information available.

### **10.2. Chemical stability**

The mixture 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. Moisture.

In use may form flammable/explosive vapour-air mixture.

Heating causes rise in pressure with risk of bursting.

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#### 10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong. Strong acid. strong alkalis.

#### 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.

##### ATEmix calculated

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-47-8	Distillates (petroleum), hydro-treated light; Kerosine - unspecified				
	oral	LD50 > 5000 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 > 2000 mg/kg	Rabbit.	ECHA Dossier	
	inhalation (4 h) vapour	LC50 > 5,3 mg/l	Rat	ECHA Dossier	
8028-48-6	Orange Oil, Orange, sweet, ext. (CITRUS AURANTIUM DULCIS FRUIT EXTRACT)				
	oral	LD50 > 5000 mg/kg	Rat	REACH dossier	OECD Guideline 401
	dermal	LD50 > 5000 mg/kg	Rabbit	REACH dossier	OECD Guideline 402
56539-66-3	3-methoxy-3-methylbutan-1-ol				
	oral	LD50 >2000 mg/kg	Rat	REACH dossier	
	dermal	LD50 >2000 mg/kg	Rat	REACH dossier	

##### Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

##### Sensitising effects

May cause an allergic skin reaction. (Orange Oil, Orange, sweet, ext. (CITRUS AURANTIUM DULCIS FRUIT EXTRACT))

##### 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.

##### Aspiration hazard

May be fatal if swallowed and enters airways.

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#### Specific effects in experiment on an animal

No data available.

#### 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.

#### Further information

Solvent:

Symptoms: Depression of the central nervous system. Liver and kidney damage. drowsiness. vomiting.

Nausea. Dizziness. unconsciousness. Impaired consciousness. Intoxication. erythema (redness)

### 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
64742-47-8	Distillates (petroleum), hydro-treated light; Kerosine - unspecified					
	Acute algae toxicity	ErC50 3 mg/l	EL50: 1- 3 mg/l	72 h	Pseudokirchneriella subcapitata	ECHA Dossier
	Acute crustacea toxicity	EL50	1,4 mg/l	48 h	Daphnia magna	ECHA Dossier
8028-48-6	Orange Oil, Orange, sweet, ext. (CITRUS AURANTIUM DULCIS FRUIT EXTRACT)					
	Acute fish toxicity	LC50 mg/l	5,65	96 h	Danio rerio	REACH dossier OECD Guideline 203
	Acute algae toxicity	ErC50	4,3 mg/l	72 h	Desmodesmus subspicatus	REACH dossier OECD Guideline 201
	Acute crustacea toxicity	EC50	1,1 mg/l	48 h	Daphnia magna	REACH dossier OECD Guideline 202
56539-66-3	3-methoxy-3-methylbutan-1-ol					
	Acute fish toxicity	LC50 mg/l	>100	96 h	Oryzias latipes	REACH dossier
	Acute algae toxicity	ErC50 mg/l	1000	72 h	Pseudokirchnerella subcapitata	REACH dossier
	Acute crustacea toxicity	EC50 mg/l	1000	48 h	Daphnia magna	REACH dossier
	Crustacea toxicity	NOEC	100 mg/l	21 d	Daphnia magna	REACH dossier
	Acute bacteria toxicity	EC50 mg/l ( )	>1000	3 h	Activated sludge	REACH dossier

#### 12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64742-47-8	Distillates (petroleum), hydro-treated light; Kerosine - unspecified			
	OECD 301F / ISO 9408 / EEC 92/69 annex V, C.4-D	61	28	ECHA Dossier
8028-48-6	Orange Oil, Orange, sweet, ext. (CITRUS AURANTIUM DULCIS FRUIT EXTRACT)			
	The statement is derived from the properties of the components.	Part of the components is biodegradable. (>= 96 %)		REACH dossier
	Easily biodegradable (concerning to the criteria of the OECD)			

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56539-66-3	3-methoxy-3-methylbutan-1-ol		
	OECD Guideline 310	78,9%	28 REACH dossier
Readily biodegradable (according to OECD criteria).			

#### 12.3. Bioaccumulative potential

The product has not been tested.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
8028-48-6	Orange Oil, Orange, sweet, ext. (CITRUS AURANTIUM DULCIS FRUIT EXTRACT)	2,78 - 4,88
56539-66-3	3-methoxy-3-methylbutan-1-ol	0,18

#### BCF

CAS No	Chemical name	BCF	Species	Source
8028-48-6	Orange Oil, Orange, sweet, ext. (CITRUS AURANTIUM DULCIS FRUIT EXTRACT)	361		

#### 12.4. Mobility in soil

No data 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 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

Dispose of waste according to applicable legislation. 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

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

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

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes 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

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#### 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:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Orange, sweet, ext.)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 274 601  
 Limited quantity: 5 L  
 Excepted quantity: E1  
 Transport category: 3  
 Hazard No: 30  
 Tunnel restriction code: D/E

#### Inland waterways transport (ADN)

**14.1. UN number or ID number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Orange, sweet, ext.)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 274 601  
 Limited quantity: 5 L  
 Excepted quantity: E1

#### Marine transport (IMDG)

**14.1. UN number or ID number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Orange, sweet, ext.)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
 Hazard label: 3



Marine pollutant: NO  
 Special Provisions: 223, 274, 955  
 Limited quantity: 5 L  
 Excepted quantity: E1  
 EmS: F-E, S-E

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

**14.1. UN number or ID number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Orange, sweet, ext.)

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**14.3. Transport hazard class(es):** 3

**14.4. Packing group:** III

Hazard label: 3



Special Provisions:	A3	
Limited quantity Passenger:	10 L	
Passenger LQ:	Y344	
Excepted quantity:	E1	
IATA-packing instructions - Passenger:		355
IATA-max. quantity - Passenger:		60 L
IATA-packing instructions - Cargo:		366
IATA-max. quantity - Cargo:		220 L

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

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 40

Directive 2010/75/EU on industrial emissions: 82 %

Directive 2004/42/EC on VOC in paints and varnishes: 82 %

Information according to Directive 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

##### 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, 40

##### 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): 2 - obviously 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; 31.07.2015, Initial release

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

Rev. 1.2; 14.05.2019, Changes in chapter: 1-16.

Rev. 2.0; 12.05.2020, Revision, Changes in chapter: 2 - 16

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### GYEON Q<sup>2</sup>M Tar

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Rev. 2.1; 11.02.2021, Revision  
Rev. 2.2; 20.05.2021, Revision, Changes in chapter: 9  
Rev. 3.0; 05.01.2023, Revision, Changes in chapter: 1-16.  
Rev. 3.1; 30.05.2023, Revision  
Rev. 4,0; 18.10.2023, Revision

#### Abbreviations and acronyms

Flam. Liq: Flammable liquids  
Asp. Tox: Aspiration hazard  
Skin Irrit: Skin irritation  
Eye Irrit: Eye irritation  
Skin Sens: Skin sensitisation  
Aquatic Chronic: Chronic aquatic hazard  
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  
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

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

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 3; H412	Calculation method

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

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

#### Further Information

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