

Safety Data Sheet

according to WHMIS

GYEON Q2 PPF EVO

Revision date: 30.04.2024

Product code: G0037_CA

Page 1 of 10

1. Identification

Product identifier

GYEON Q2 PPF EVO

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

Use of the substance/mixture

Vehicle protective product - ceramic coating designed for paintwork
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

Flammable liquids: Flam. Liq. 3
Aspiration hazard: Asp. Tox. 1
Skin corrosion/irritation: Skin Corr. 1B
Serious eye damage/eye irritation: Eye Dam. 1

Label elements

WHMIS 2015

Signal word: Danger

Pictograms:



Hazard statements

Flammable liquid and vapour.
May be fatal if swallowed and enters airways.
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 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

In use, may form flammable/explosive vapour-air mixture.
The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Safety Data Sheet

according to WHMIS

GYEON Q2 PPF EVO

Revision date: 30.04.2024

Product code: G0037_CA

Page 2 of 10

3. Composition/information on ingredients

Mixtures

Relevant ingredients

CAS No	Chemical name	Quantity
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	80 - 100% (*)
475645-84-2	Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with 3-(triethoxysilyl)-1-propanamine	5 - < 10% (*)

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

Further Information

Solvent: Naphtha (petroleum), light alkylate; Low boiling point modified naphtha (P)
 The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene.

This product does not contain SVHC substances in an amount >0.1%.

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. 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.

Most important symptoms and effects, whether acute or delayed

If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).
 Causes serious eye damage..
 Causes severe skin burns and eye damage.
 Repeated exposure may cause skin dryness or cracking.
 Inhalation can cause damage to the respiratory tract or lungs.
 May be fatal if swallowed and enters airways.
 following inhalation: Headache. spasms. Repeated exposure may cause skin dryness or cracking. Caution if victim vomits: Risk of aspiration!

Indication of immediate medical attention and special treatment needed

Treat symptomatically.

Safety Data Sheet

according to WHMIS

GYEON Q2 PPF EVO

Revision date: 30.04.2024

Product code: G0037_CA

Page 3 of 10

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Foam. Carbon dioxide. In case of major fire and large quantities:

Unsuitable extinguishing media

High power water jet.

Specific hazards arising from the hazardous product

Can be released in case of fire: Gas/vapours, irritant. Carbon monoxide. Carbon dioxide (CO₂).

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. 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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

General advice

Remove persons to safety. Provide adequate ventilation. Remove all sources of ignition. Wear personal protection equipment. (See section 8.)

For non-emergency personnel

Remove persons to safety. Remove all sources of ignition. Ventilate affected area. Wear personal protection equipment. (See section 8.)

For emergency responders

No special measures are necessary.

Environmental precautions

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

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). Ventilate affected area.

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

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. Clear contaminated areas thoroughly.

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.)

Conditions to avoid: aerosol or mist formation

Safety Data Sheet

according to WHMIS

GYEON Q2 PPF EVO

Revision date: 30.04.2024

Product code: G0037_CA

Page 4 of 10

Avoid contact with skin, eyes and clothes.

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 and wash it before reuse.

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. 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

8. Exposure controls/Personal protection

Control parameters

Exposure controls



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). Standards: CSA Z94.3

Hand protection

When selecting skin protection, please refer to CCOHS recommendations on Personal Protective Equipment. In case of prolonged or frequently repeated skin contact: Wear suitable gloves. Suitable material: Butyl rubber. Thickness of the glove material: 0,5 mm Breakthrough time >= 480 min. Penetration time (maximum wearing period): ~ 120 min. (estimated) In the case of wanting to use the gloves again, clean them before taking off and air them well. Before using check leak tightness / impermeability.

Safety Data Sheet

according to WHMIS

GYEON Q2 PPF EVO

Revision date: 30.04.2024

Product code: G0037_CA

Page 5 of 10

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.

Skin protection

Wear fire/flammable resistant/retardant clothing.

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

Do not allow uncontrolled discharge of product into the environment.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	liquid	
Colour:	colourless	
Odour:	mild solvent odor	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		103 °C
Lower explosive limits:		not determined
Upper explosive limits:		not determined
Flash point:		40 °C
Auto-ignition temperature:		not determined
Decomposition temperature:		not determined
pH-Value:		not determined
Viscosity / kinematic:		not determined
Water solubility:		not miscible
Solubility in other solvents		not determined
Partition coefficient n-octanol/water:	SECTION 12: Ecological information	
Vapour pressure:		not determined
(at 20 °C)		
Density:		not determined
Relative vapour density:		not determined

Other information

Information with regard to physical hazard classes

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

Other safety characteristics

Evaporation rate:	not determined
Solvent separation test:	not determined

Safety Data Sheet

according to WHMIS

GYEON Q2 PPF EVO

Revision date: 30.04.2024

Product code: G0037_CA

Page 6 of 10

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

No information available.

Conditions to avoid

Keep away from heat. Danger of explosion!
In use may form flammable/explosive vapour-air mixture.
Heating causes rise in pressure with risk of bursting.

Incompatible materials

Oxidizing agents, strong. Strong acid. Air. (Formations of peroxides possible.)

Hazardous decomposition products

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

11. Toxicological information

Information on toxicological effects

Acute toxicity

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

ATEmix calculated

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

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha				
	oral	LD50 >5000 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rabbit	ECHA Dossier	
	inhalation (4 h) dust/mist	LC50 (5,61) mg/l	Rat	ECHA Dossier	
475645-84-2	Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with 3-(triethoxysilyl)-1-propanamine				
	oral	ATE 500 mg/kg			

Irritation and corrosivity

Skin corrosion/irritation: Causes severe skin burns and eye damage.
Serious eye damage/eye irritation: Causes serious eye damage.

Safety Data Sheet

according to WHMIS

GYEON Q2 PPF EVO

Revision date: 30.04.2024

Product code: G0037_CA

Page 7 of 10

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.

Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha:

In-vitro mutagenicity: Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) ; Result: negative. Literature information: REACH Dossier; Carcinogenicity: Method: (dermal.) OECD Guideline 451

(Carcinogenicity Studies); species: Mouse.; Length of test: 2 years; Result: negative. Literature information: REACH Dossier; Reproductive toxicity: Method: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study); species: Rat; Result: NOAEL >= 20000 mg/kg; Literature information: REACH Dossier

Developmental toxicity/teratogenicity: Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study); species: Rat Result: NOAEL = 239000 mg/kg; 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.

Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha:

Subchronic inhalative toxicity:

Method: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies); Exposure time: 2 years; species: Rat; Results: NOAEC = 1402 mg/m3; Literature information: REACH Dossier

Aspiration hazard

May be fatal if swallowed and enters airways.

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.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha					
	Acute fish toxicity	LC50 8,2 mg/l	LL50:	96 h	Pimephales promelas	ECHA Dossier
	Acute algae toxicity	ErC50 3,1 mg/l	EL50:	72 h	Pseudokirchnerella subcapitata	ECHA Dossier
	Acute crustacea toxicity	EC50 4,5 mg/l	EL50:	48 h	Daphnia magna	ECHA Dossier
	Crustacea toxicity	NOEC 2,6 mg/l	NOELR:	21 d	Daphnia magna	ECHA Dossier

Persistence and degradability

No data available.

Bioaccumulative potential

No indication of bioaccumulation potential.

Safety Data Sheet

according to WHMIS

GYEON Q2 PPF EVO

Revision date: 30.04.2024

Product code: G0037_CA

Page 8 of 10

Mobility in soil

No data available.

Endocrine disrupting properties

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

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

Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

13. Disposal considerations

Waste treatment methods

Disposal recommendations

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled.

Contaminated packaging

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

14. Transport information

Canadian TDG

UN number:

UN 2920

Proper shipping name:

CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Cyclosilazanes, Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha)

Hazard classes:

8

Packing group:

II

Hazard label:

8 (3)

Limited quantity:

1 L



Marine transport (IMDG)

UN number or ID number:

UN 2920

United Nations proper shipping name:

CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Cyclosilazanes)

Transport hazard class(es):

8

Packing group:

II

Hazard label:

8+3



Marine pollutant:

YES

Special Provisions:

274

Limited quantity:

1 L

Excepted quantity:

E2

EmS:

F-E, S-C

Air transport (ICAO-TI/IATA-DGR)

Safety Data Sheet

according to WHMIS

GYEON Q2 PPF EVO

Revision date: 30.04.2024

Product code: G0037_CA

Page 9 of 10

UN number or ID number: UN 2920
United Nations proper shipping name: CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Cyclosilazanes)
Transport hazard class(es): 8
Packing group: II
Hazard label: 8+3



Limited quantity Passenger: 0.5 L
Passenger LQ: Y840
Excepted quantity: E2
IATA-packing instructions - Passenger: 851
IATA-max. quantity - Passenger: 1 L
IATA-packing instructions - Cargo: 855
IATA-max. quantity - Cargo: 30 L

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



Danger releasing substance: Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha

15. Regulatory information

Canadian regulations

DSL/NDSL inventory status

Listed:

Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha (64742-48-9)
Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with 3-(triethoxysilyl)-1-propanamine (CAS: 475645-84-2)

National Pollutant Release Inventory (NPRI)

Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha (64742-48-9):
NPRI Part (threshold category): 5 (Reporting threshold: 1 tonne air release, VOC)

WHMIS classification

No data available

Provincial regulations

No data available

Additional information

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

16. Other information

Changes

Rev. 1.0; 10.09.2021, Initial release
Rev. 2.0; 02.01.2023, Revision Changes in section: 2-16

Safety Data Sheet

according to WHMIS

GYEON Q2 PPF EVO

Revision date: 30.04.2024

Product code: G0037_CA

Page 10 of 10

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

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.)