

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.06.2021

Version number 1

Revision: 20.06.2021

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

1.1 Product Identifier:**Trade name:** alpha Engine Flush / Gasoline & Diesel #330194**1.2 Relevant identified uses of the substance or mixture and uses advised against:****Product category:** PC0 Other**Application of the substance / the mixture:** Fuel Additive.**1.3 Details of the supplier of the safety data sheet:****Manufacturer / Importer / Supplier:**

Gulf Western Asia PTE Ltd

105 Cecil Street, #24-02 The Octagon, Postal 069534 Singapore

Further information obtainable from: Product safety department.**1.4 Emergency telephone number:**

Tel Nr +65 90302232

This telephone number can be reached during office hours.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:**Classification according to Regulation (EC) No 1272/2008:**

health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

2.2 Label elements:**Labelling according to Regulation (EC) No 1272/2008:** The product is classified and labelled according to the CLP regulation.**Hazard pictograms:** GHS08**Signal word:** Danger**Hazard-determining components of labelling:**

Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclic, <2% aromatics

Hydrocarbons, C10, Aromates, <1% Natphtalene

Hazard statements:

H304 May be fatal if swallowed and enters airways.

Precautionary statements:

P261 Avoid breathing mist/vapours/spray.

P280 Wear protective gloves.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH208 Contains C14-16-18 Alkyl phenol. May produce an allergic reaction.

2.3 Other hazards:**Results of PBT and vPvB assessment:****PBT:** Not applicable.**vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures**Description:**

Mixture of substances specified below, possibly with non-hazardous additions or with components whose concentration is lower than the classification values..

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Components:		
EC number: 926-141-6 Reg.nr.: 01-2119456620-43	Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclic, <2% aromatics Asp. Tox. 1, H304	25-50%
EC number: 918-811-1 Reg.nr.: 01-2119463583-34	Hydrocarbons, C10, Aromates, <1% Natphtalene Asp. Tox. 1, H304; Eye Irrit. 2, H319; STOT SE 3, H336; Aquatic Chronic 3, H412, EUH066	2.5-10%
CAS: 1190625-94-5 EC number: 931-468-2 Reg.nr.: 01-2119498288-19	C14-16-18 Alkyl phenol STOT RE 2, H373; Skin Sens. 1B, H317	<1%

Additional information: For the wording of the listed hazard phrases See section 16.**SECTION 4: First aid measures****4.1 Description of first aid measures:****General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Persons, providing assistance, should avoid exposure and danger for themselves or others.

Take affected persons out of danger area and lay down.

After inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Seek medical treatment in case of complaints.

After skin contact:

Remove and wash contaminated clothing before re-use.

Rinse with plenty of water and wash with soap. Treat skin with, for example polyethyleneglycol 400.

Do NOT use solvents or thinners.

After eye contact:

Rinse opened eye for several minutes (at least 15 minutes) under running water. If symptoms persist, consult a doctor.

If possible, remove contact lenses.

After ingestion:

DO NOT INDUCE VOMITING!

Rinse mouth with plenty of water.

Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed: May cause eye and skin irritation.**4.3 Indication of any immediate medical attention and special treatment needed:**

After ingestion of the liquid, droplets of the product may enter the lungs (aspiration), whereby pneumonia can occur.

Medical supervision for at least 48 hours.

SECTION 5: Firefighting measures**5.1 Extinguishing media:****Suitable extinguishing agents:** CO₂, powder, foam or water spray. Fight larger fires with water spray or alcohol resistant foam.**For safety reasons unsuitable extinguishing agents:** Water with full jet**5.2 Special hazards arising from the substance or mixture:**

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Keep dust/vapour clouds away from possible ignition points.

5.3 Advice for firefighters:**Protective equipment:** Wear self-contained respiratory protective device.**Additional information:** Cool endangered tanks with water spray.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Keep away from ignition sources.

Avoid breathing vapor and contact with eyes, skin and clothing.

6.2 Environmental precautions:

In case of seepage into the ground inform responsible authorities.

Do not allow to enter sewers/ surface or ground water.

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6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.

6.4 Reference to other sections:

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Handle in accordance with good industrial hygiene and safety procedures.
Do not eat, drink or smoke while working.
Avoid inhalation of vapors and contact with eyes, skin and clothing.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Wash hands thoroughly with water after handling.

Information about fire and explosion protection:

Observe the general rules for fire prevention.
Keep ignition sources away - Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities:**Storage:****Requirements to be met by storerooms and tanks:**

Store only in the original receptacle.
All hazardous products must be placed above a sump pallet.
Keep in a cool, dry place, protected from direct sunlight.
Information about storage in one common storage facility: Store away from oxidising agents.
Further information about storage conditions: Keep container tightly sealed.

7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:**Ingredients with limit values that require monitoring at the workplace:****Hydrocarbons, C10, Aromates, <1% Naphthalene**RCP-TGG (EU) Short-term value: 100 mg/m³**DNELs****Hydrocarbons, C10, Aromates, <1% Naphthalene**

Oral	Long-term - systemic effects	7.5 mg/kg bw/day (Consumer)
Dermal	Long-term - systemic effects	7.5 mg/kg bw/day (Consumer)
		12.5 mg/kg bw/day (Worker)
Inhalative	Long-term - systemic effects	32 mg/m ³ (Consumer)
		150 mg/m ³ (Worker)

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Appropriate engineering controls No further data; see section 7.

Technical measures:

In the immediate vicinity of any potential exposure source, eye wash stations and emergency showers should be available.

Individual protection measures, such as personal protective equipment**General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Provide adequate ventilation.

Avoid contact with the eyes and skin.

Respiratory protection:

With mist - and / or vapor formation use respirator.

Filter AX

Not necessary if room is well-ventilated.

Hand protection

Only use chemical-protective gloves with CE-labelling of category III.

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The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Fluorocarbon rubber (Viton)

Butyl rubber, BR

Recommended thickness of the material: ≥ 0.35 mm

Penetration time of glove material:

Value for the permeation: Level $\leq \geq 240$

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection


Tightly sealed goggles

Use safety glasses that meets the requirements of EN 166; latest versions.

Body protection: Protective work clothing

Environmental exposure controls Prevent spills from reaching surface waters or soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:
General Information:

Physical state	Fluid
Colour:	Amber / brown
Odour:	Solvent-like
Odour threshold:	Not determined.
Melting point/freezing point:	Not determined.
Boiling point or initial boiling point and boiling range	160-238 °C
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	0.6 Vol %
Upper:	6 Vol %
Flash point:	>120 °C
Auto-ignition temperature:	Product is not self-igniting.
Decomposition temperature:	Not determined.
pH	Not determined.
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.
Solubility	
Water:	Insoluble.
Refraction Index:	
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 20 °C:	0.840 g/cm ³
Relative density:	Not determined.
Vapour density:	Not determined.

9.2 Other information:
Appearance:

Form: Liquid.

Important information on protection of health and environment, and on safety.

Ignition temperature: > 227 °C

Explosive properties: Product does not present an explosion hazard.

VOC (EU, 1993/13/EC): 840 g/l

Oxidizing properties: Does not contain oxidizing properties.

Congeaing Point

Evaporation rate: Not determined.

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Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity: Stable under recommended conditions.

10.2 Chemical stability:
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid:

Direct sunlight

Heat

Sparks-Open fire

10.5 Incompatible materials: Oxidizing Agents

10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:
Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclic, <2% aromatics

Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>5,000 mg/kg (Rabbit)
Inhalative	LC50/4 h	>5,000 mg/l (Rat)

Hydrocarbons, C10, Aromates, <1% Natphtalene

Oral	LD50	>5,000 mg/kg (Rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (Rabbit) (OECD 402)

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

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

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

Reprotoxicity: 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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11.2 Information on other hazards**Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information**12.1 Toxicity:****Aquatic toxicity:****Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclic, <2% aromatics**

LL50/96h	1,000 mg/l (Oncorhynchus mykiss)
EL50/48H	1,000 mg/l (Daphnia Magna)
Erl50/72h	1,000 mg/l (Daphnia Magna)

Hydrocarbons, C10, Aromates, <1% Natphtalene

NOELR/72h	2.5 mg/l (Pseudokirchneriella subcapitata)
LL50/96h	≥2-≤5 mg/l (Oncorhynchus mykiss)
EL50/48H	≥3-≤10 mg/l (Daphnia Magna)
Erl50/72h	11 mg/l (Pseudokirchneriella subcapitata)

12.2 Persistence and degradability: No further relevant information available.**12.3 Bioaccumulative potential:** No further relevant information available.**12.4 Mobility in soil:** No further relevant information available.**12.5 Results of PBT and vPvB assessment:****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.**12.7 Other adverse effects:****Additional ecological information:****General notes:**

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations**13.1 Waste treatment methods:****Recommendation:**

Waste material must be disposed of in accordance with the waste directive 2008/98 / EC and other national and local laws and regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

Contaminated packaging:**Recommendation:**

Disposal must be made according to official regulations.

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning by a licensed recycling company.

SECTION 14: Transport information**14.1 UN number or ID number**

ADR/RID/ADN, IMDG, IATA

Void

14.2 UN proper shipping name:

ADR/RID/ADN, IMDG, IATA

Void

14.3 Transport hazard class(es):

ADR/RID/ADN, IMDG, IATA

Class:

Void

14.4 Packing group:

ADR/RID/ADN, IMDG, IATA

Void

14.5 Environmental hazards:**Marine pollutant:**

No

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14.6 Special precautions for user: Not applicable.
14.7 Maritime transport in bulk according to IMO instruments Not applicable.
UN "Model Regulation": Void

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Directive 2012/18/EU:

Named dangerous substances - ANNEX I: None of the ingredients are listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Relevant phrases:

H304 May be fatal if swallowed and enters airways.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H412 Harmful to aquatic life with long lasting effects.
 EUH066 Repeated exposure may cause skin dryness or cracking.

Training hints: Take care of good information, instruction and training for users.

Department issuing SDS: Environment protection department.

Abbreviations and acronyms:

ADN: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation Intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (Division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

EC50: Effective Concentration, 50 percent

IOELVs: Indicative Occupational Exposure Limit Values

mPa.s: milliPascal per second

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1B: Skin sensitisation – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

References:

This information is based on the current available data (suppliers of raw materials, chemistry maps, Annex VI)

See also the internet site: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Disclaimer:

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