

Technical Data Sheet

Product Name: Fuel Injector Flush

Company Name: Revive, Global Business Group Ltd

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Indications of danger: Harmful

R phrases:

Flammable.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Harmful: may cause lung damage if swallowed.

2.2. Label elements

Danger symbols:

Xn - Harmful



Xn - Harmful

Hazardous components which must be listed on the label

Distillates (petroleum, gasoline), hydrotreated light

R phrases

10

Flammable.

52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65

Harmful: may cause lung damage if swallowed.

S phrases

02

Keep out of the reach of children.

46

If swallowed, seek medical advice immediately and show this container or label.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Detergents, Dispersants
 Synthetic agent combinations
 Anti wear agents not classified

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
285-149-8	Distillates (petroleum, gasoline), hydrotreated light	95 - 100 %
64742-47-8	Xn - Harmful R10-85	
	Flam. Liq. 3, Asp. Tox. 1; H226 H304	
285-198-5	solvent naphtha	1 - 5 %
64742-94-5	Xn - Harmful, N - Dangerous for the environment R65-66-67-51-53	
	STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H336 H304 H411	
202-438-9	1,2,4-trimethylbenzene	< 1 %
95-83-8	Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R10-20-36/37/38-51-53	
601-043-00-3	Flam. Liq. 3, Acute Tox. 4, Eye Irrit. 2, STOT SE 3, Skin Irrit. 2, Aquatic Chronic 2; H226 H332 H319 H335 H315 H411	
202-049-5	naphthalene	< 1 %
91-20-3	Carc. Cat. 3, Xn - Harmful, N - Dangerous for the environment R40-22-50-53	
601-052-00-2	Carc. 2, Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1; H351 H302 H400 H410	

Full text of R and H phrases: see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Move victim to fresh air. Put victim at rest and keep warm.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

In case of difficulties of breathing consult physician.

If victim is at risk of losing consciousness, position and transport on their side.

After contact with skin

Take off immediately all contaminated clothing, including underwear and shoes.

After contact with skin, wash immediately with plenty of Water and soap.

Rub in high-fat content cream.

After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

Consult physician.

After ingestion

Let water be swallowed in little sips (dilution effect). Consult physician.

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

Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

After ingestion: Harmful: may cause lung damage if swallowed.

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

Warning about danger of aspiration.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing powder. Sand. alcohol resistant foam. Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons

High power water jet.

5.2. Special hazards arising from the substance or mixture

Formation of decomposition products possible.

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

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Cool endangered container in case of fire.

Contaminated fire-fighting water must be collected separately.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

In case of fire: Wear self-contained breathing apparatus.

Keep away from sources of ignition. No smoking.

6.2. Environmental precautions

Beat down gas/vapours/mist with water spray.

Do not empty into drains or the aquatic environment.

In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

6.3. Methods and material for containment and cleaning up

Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

Wipe up with absorbent material (eg. cloth, fleece).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Closed devices. Vapours / aerosols must be extracted by suction immediately at point of origin.

Avoid contact with skin and eyes.

Advice on protection against fire and explosion

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

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.

Further information on storage conditions

Packaging materials: metal.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
91-20-3	Naphthalene	-	-	-	TWA (8 h)	CHAN
		-	-	-	STEL (15 min)	CHAN
95-63-8	Trimethylbenzenes	25	125	-	TWA (8 h)	WEL
		-	-	-	STEL (15 min)	WEL

8.2. Exposure controls

Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. "Wash hands when done working with material; at breaks, lunch, shift changes, etc."

Respiratory protection

Provide for good ventilation, when develop aerosols/mist. In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Tested protective gloves are to be worn: Butyl rubber. (EN 374)

Eye protection

Wear tightly sealed safety glasses against possible splashes into the eyes. (EN 166)

Skin protection

Wear suitable solvent-proof protective clothing according to EN 465.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	transparent
Odour:	aromatic

Test method

Changes in the physical state

Boiling point:	140 - 200 °C
Flash point:	35 °C
Lower explosion limits:	0,6 vol. %
Upper explosion limits:	12 vol. %
Ignition temperature:	> 200 °C
Vapour pressure: (at 20 °C)	20 hPa
Density (at 20 °C):	0.78-0.82 g/cm ³
Water solubility: (at 20 °C)	insoluble

Solubility in other solvents

Organic solvents

SECTION 10: Stability and reactivity

10.4. Conditions to avoid

Only use material in places where open light, fire and other sources of ignition can be kept away.

10.5. Incompatible materials

Oxidizing agents. acid, concentrated. Alkalis (alkalis), concentrated.

10.6. Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
64742-47-8	Distillates (petroleum, gasoline), hydrotreated light				
	oral	LD50 mg/kg	>15000	rat.	
	dermal	LD50	3400 mg/kg	rat.	
	inhalative vapour	LC50	13100 mg/l	rat.	
64742-94-5	solvent naphtha				
	oral	LD50	5000 mg/kg	rat.	
	dermal	LD50 mg/kg	>2000	Rabbit.	
95-83-8	1,2,4-trimethylbenzene				
	oral	LD50	5000 mg/kg	Rat	RTECS
	inhalative (4 h) vapour	LC50	18 mg/l	Rat	RTECS
	inhalative aerosol	ATE	1,5 mg/l		
91-20-3	naphthalene				
	oral	ATE	500 mg/kg		

Irritation and corrosivity

After skin contact: Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

After ingestion:

Harmful: may cause lung damage if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	h	Species	Source
64742-47-8	Distillates (petroleum, gasoline), hydrotreated light					
	Acute fish toxicity	LC50	10 mg/l	06	Oncorhynchus mykiss	
	Acute algae toxicity	ErC50	4,6 mg/l	72	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50	10 mg/l	48	Daphnia magna	
64742-94-5	solvent naphtha					
	Acute fish toxicity	LC50	2-5 mg/l	06	Fish	
	Acute algae toxicity	ErC50	1-3 mg/l	72	Algae	
	Acute crustacea toxicity	EC50	3-10 mg/l	48	Daphnia	
95-83-6	1,2,4-trimethylbenzene					
	Acute fish toxicity	LC50	7,72 mg/l	06	Pimephales promelas	
	Acute crustacea toxicity	EC50	3,6 mg/l	48	Daphnia	ECOTOX Database

12.3. Bioaccumulative potential

Swims on the water.
Low potential of bio-accumulation.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
95-83-6	1,2,4-trimethylbenzene	3,63

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not dispose with household waste.
Do not empty into drains or the aquatic environment.
Have to add a Special treatment in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.
Arrange about the exact waste code with the local waste disposal expert.

Contaminated packaging

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.
Do not pierce, cut up or weld unclean container. (Explosion hazard.)

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN1993
14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S.
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Classification code: F1

Special Provisions: 274 601 640E
 Limited quantity: 5 L
 Transport category: 3
 Hazard No: 30
 Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number: UN1993
14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S.
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Classification code: F1
 Special Provisions: 274 601 640E
 Limited quantity: 5 L

Marine transport (IMDG)

14.1. UN number: UN1993
14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S.
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Marine pollutant: -
 Special Provisions: 223, 274, 955
 Limited quantity: 5 L
 EmS: F-E, S-E

Air transport (ICAO)

14.1. UN number: UN1993
14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S.
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Special Provisions: A3
 Limited quantity Passenger: 10 L
 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

Dangerous for the environment: no

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

Contains:
> 30 % hydrocarbons, aliphatic.
< 5 % hydrocarbons, aromatic.

National regulatory information

Water contaminating class (D): 2 - water contaminating

SECTION 16: Other information

Full text of R phrases referred to under Sections 2 and 3

10	Flammable.
20	Harmful by inhalation.
22	Harmful if swallowed.
36/37/38	Irritating to eyes, respiratory system and skin.
40	Limited evidence of a carcinogenic effect.
50	Very toxic to aquatic organisms.
51	Toxic to aquatic organisms.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
53	May cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.

Full text of H statements referred to under Sections 2 and 3

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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