

DIESEL INJECT

Version number: GHS 1.0

Date of compilation: 2016-02-09

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

1.1 Product identifier

Trade name

DIESEL INJECT

Registration number (REACH)

not relevant (mixture)

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

Relevant identified uses

diesel additive
Gas Jet - Petrol Valve Cleaning

1.3 Details of the supplier of the safety data sheet

Address: C/ Feldepatio 31,32

City: 45220 – Yeles, Toledo, SPAIN

Telephone: +34 925 545 916

E-mail: 3rg@3rgindustrial.com

Web: www.3rgindustrial.com

1.4 Emergency telephone number

112 (European emergency number, available throughout the European Union)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard class	Cat-egory	Hazard class and category	Hazard state-ment
2.6	flammable liquid	Cat. 3	(Flam. Liq. 3)	H226
3.6	carcinogenicity	Cat. 2	(Carc. 2)	H351
3.8D	specific target organ toxicity - single exposure (narcotic effects, drowsiness)	Cat. 3	(STOT SE 3)	H336
3.10	aspiration hazard	Cat. 1	(Asp. Tox. 1)	H304
4.1C	hazardous to the aquatic environment - chronic hazard	Cat. 2	(Aquatic Chronic 2)	H411

Remarks

For full text of H-phrases: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources. Spillage and fire water can cause pollution of watercourses.

DIESEL INJECT

Version number: GHS 1.0

Date of compilation: 2016-02-09

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word

Danger

Pictograms

GHS02, GHS07,
GHS08, GHS09



Hazard statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

Precautionary statements - prevention

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - response

P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor/.../if you feel unwell.
P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P391	Collect spillage.

Precautionary statements - storage

P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary statements - disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
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Hazardous ingredients for labelling:

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%), naphthalene, Solvent naphtha (petroleum), heavy arom.

2.3 Other hazards

Repeated exposure may cause skin dryness or cracking.

DIESEL INJECT

Version number: GHS 1.0

Date of compilation: 2016-02-09





SECTION 3: Composition/information on ingredients

3.1 Substances

not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	wt%	Classification acc. to 1272/2008/EC	Pictograms	Classification acc. to 67/548/EEC
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	CAS No 64742-82-1 EC No 919-446-0	75 - < 90	Flam. Liq. 3 / H226 STOT SE 3 / H336 Asp. Tox. 1 / H304 Aquatic Chronic 2 / H411		flammable; R10 harmful; Xn; R48/20-65 R66-67 dangerous for the environment; N; R51-53
Solvent naphtha (petroleum), heavy arom.	CAS No 64742-94-5 EC No 265-198-5	10 - < 25	STOT SE 3 / H336 Asp. Tox. 1 / H304 Aquatic Chronic 2 / H411		harmful; Xn; R65
2-Ethylhexan-1-ol	CAS No 104-76-7 EC No 203-234-3	1 - < 5	Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 STOT SE 3 / H335		
naphthalene	CAS No 91-20-3 EC No 202-049-5	1 - < 5	Acute Tox. 4 / H302 Carc. 2 / H351 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410		harmful; Xn; R22 carcinogenic; Carc. Cat. 3; R40 dangerous for the environment; N; R50-53

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Avoid contact with eyes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

DIESEL INJECT

Version number: GHS 1.0

Date of compilation: 2016-02-09

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Narcotic effects.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

foam, carbon monoxide (CO), fire extinguishing powder

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture. Solvent vapours are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Flammable vapors. Hazardous combustion products:

The products of incomplete combustion and thermolysis may be carbon monoxide, carbon dioxide, hydrocarbons, aldehydes and smoke. The inhalation of vapors is very dangerous. Combustion residues and contaminated firefighting water should be disposed in accordance with local laws.

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Evacuate the danger area at least 50 meters in all directions, depending on the released quantity. Keep away the uninvolved staff. Stay on the side from which the wind is blowing. Remove persons to safety. Ventilate affected area. Provision of sufficient ventilation.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Warning and evacuating people in the neighbourhood.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose it.

6.3 Methods and material for containment and cleaning up

Advices on how to contain a spill

Covering of drains.

Advices on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage (sawdust, kieselgur (diatomite), sand, universal binder).

DIESEL INJECT

Version number: GHS 1.0

Date of compilation: 2016-02-09

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

• Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools.

• Warning

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not to eat, drink and smoke in work areas. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

• Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

• Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

Incompatible substances or mixtures

Observe hints for combined storage.

Consideration of other advice

• Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

• Packaging compatibilities

Keep only in original container. Suitable packaging materials: steel, stainless steel.

7.3 Specific end use(s)

See section 16 for a general overview.

DIESEL INJECT

Version number: GHS 1.0

Date of compilation: 2016-02-09

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m ³]	Source
EU	naphthalene	91-20-3	IOELV	10	50	91/322/EEC
GB	aromatics	91-20-3	WEL		500	EH40/2005

Notation

TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average

Relevant DNELs/DMELs/PNECs and other threshold levels

• relevant DNELs of components of the mixture

Name of substance	EC No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	DNEL	330 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	DNEL	570 mg/cm ³	human, inhalatory	worker (industry)	acute - systemic effects
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	DNEL	44 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	DNEL	570 mg/cm ³	human, inhalatory	consumer (private households)	acute - systemic effects
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	DNEL	71 mg/cm ³	human, inhalatory	consumer (private households)	acute - systemic effects
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	DNEL	26 mg/kg	human, dermal	consumer (private households)	chronic - systemic effects
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	DNEL	26 mg/kg	human, oral	consumer (private households)	chronic - systemic effects
Solvent naphtha (petroleum), heavy arom.	265-198-5	DNEL	151 mg/m ³	human, inhalatory	professionals	chronic - local effects
2-Ethylhexan-1-ol	203-234-3	DNEL	53.2 mg/m ³	human, inhalatory	worker (industry)	acute - local effects
2-Ethylhexan-1-ol	203-234-3	DNEL	53.2 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects

DIESEL INJECT

Version number: GHS 1.0

Date of compilation: 2016-02-09

Name of substance	EC No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
2-Ethylhexan-1-ol	203-234-3	DNEL	23 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
2-Ethylhexan-1-ol	203-234-3	DNEL	12.8 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
2-Ethylhexan-1-ol	203-234-3	DNEL	26.6 mg/m ³	human, inhalatory	consumer (private households)	chronic - local effects
2-Ethylhexan-1-ol	203-234-3	DNEL	1.1 mg/kg	human, oral	consumer (private households)	chronic - systemic effects
2-Ethylhexan-1-ol	203-234-3	DNEL	11.4 mg/kg	human, dermal	consumer (private households)	chronic - systemic effects
2-Ethylhexan-1-ol	203-234-3	DNEL	2.3 mg/m ³	human, inhalatory	consumer (private households)	chronic - systemic effects
naphthalene	202-049-5	DNEL	2.57 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
naphthalene	202-049-5	DNEL	25 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
naphthalene	202-049-5	DNEL	25 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects

• relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
2-Ethylhexan-1-ol	104-76-7	PNEC	0.017 mg/l	aquatic organisms	freshwater	short-term (single instance)
2-Ethylhexan-1-ol	104-76-7	PNEC	0.0017 mg/l	aquatic organisms	marine water	short-term (single instance)
2-Ethylhexan-1-ol	104-76-7	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
2-Ethylhexan-1-ol	104-76-7	PNEC	0.284 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
2-Ethylhexan-1-ol	104-76-7	PNEC	0.0284 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
2-Ethylhexan-1-ol	104-76-7	PNEC	55 mg/kg	aquatic organisms	water	short-term (single instance)
2-Ethylhexan-1-ol	104-76-7	PNEC	0.047 mg/kg	terrestrial organisms	soil	short-term (single instance)
2-Ethylhexan-1-ol	104-76-7	PNEC	0.17 mg/l	aquatic organisms	water	continuous
naphthalene	91-20-3	PNEC	0.24 µg/l	fish	water	short-term (single instance)
naphthalene	91-20-3	PNEC	2.4 µg/l	fish	freshwater	short-term (single instance)

DIESEL INJECT

Version number: GHS 1.0

Date of compilation: 2016-02-09

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
naphthalene	91-20-3	PNEC	53.3 µg/kg	fish	soil	short-term (single instance)
naphthalene	91-20-3	PNEC	67.2 µg/kg	fish	freshwater sediment	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Safety glasses with side-shields (frame goggles) (EN 166).

Skin protection

Hand protection:

Use impermeable protective gloves resistant to chemicals

material: polychloroprene thickness: > 0,7 mm (EN374-3)

material: nitrile thickness: 0,2 mm, (EN374-3)

material: fluor polymer & PVA: Any thickness (EN374-3).

• hand protection

Chemical protection gloves are suitable, which are tested according to EN 374.

• other protection measures

Wash hands thoroughly after handling. Protective clothing against liquid and gaseous chemicals, including liquid aerosols and solid particles. Footwear protecting against chemicals.

Respiratory protection

Type: AX (gas filters and combined filters against low-boiling point organic compounds, colour code: Brown).

Type: A-P2 (combined filters against particles and organic gases and vapours, colour code: Blue/White).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Colour	different
Odour	characteristic

Other physical and chemical parameters

pH (value)	not determined
Melting point/freezing point	
Initial boiling point and boiling range	135 °C at 1 atm
Flash point	>30 °C at 1 atm
Evaporation rate	not determined
Flammability (solid, gas)	not relevant (fluid)

DIESEL INJECT

Version number: GHS 1.0

Date of compilation: 2016-02-09

Explosive limits	
• lower explosion limit (LEL)	0.6 vol%
• upper explosion limit (UEL)	7 vol%
Vapour pressure	10kPa στους 20 °C
Density	not determined
Relative density	Information on this property is not available.
Solubility(ies)	not determined
Partition coefficient	
n-octanol/water (log KOW)	This information is not available.
Auto-ignition temperature	>200 °C
Viscosity	not determined
Explosive properties	none
Oxidising properties	none
9.2 Other information	
Solvent content	>99%
Solid content	<1%

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s): risk of ignition

• **if heated**

risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Physical stresses which might result in a hazardous situation and have to be avoided

high temperatures - static electricity

10.5 Incompatible materials

oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

DIESEL INJECT

Version number: GHS 1.0

Date of compilation: 2016-02-09

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

• Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	ATE
2-Ethylhexan-1-ol	104-76-7	inhalation: vapour	11
naphthalene	91-20-3	oral	490

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Summary of evaluation of the CMR properties

Suspected of causing cancer.

Shall not be classified as germ cell mutagenic.

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity (STOT)

• Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

• Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute)

Aquatic toxicity (acute) of components of the mixture

Name of substance	EC No	Endpoint	Value	Species	Exposure time
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	ErC50	0.94 mg/l	algae	72 hours
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	EC50	0.53 mg/l	algae	72 hours

DIESEL INJECT

Version number: GHS 1.0

Date of compilation: 2016-02-09

Name of substance	EC No	Endpoint	Value	Species	Exposure time
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	EL50	22 mg/l	daphnia magna	48 hours
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	EL50	10 mg/l	algae	72 hours
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	EL50	43.98 mg/l	microorganisms	48 hours
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	LL50	30 mg/l	fish	96 hours
Solvent naphtha (petroleum), heavy arom.	265-198-5	EC50	3 mg/l	daphnia	72 hours
Solvent naphtha (petroleum), heavy arom.	265-198-5	EC50	10 mg/l	fish	48 hours
Solvent naphtha (petroleum), heavy arom.	265-198-5	LC50	5 mg/l	fish	96 hours
2-Ethylhexan-1-ol	203-234-3	LC50	17.1 mg/l	fish	96 hours
2-Ethylhexan-1-ol	203-234-3	EC50	39 mg/l	aquatic invertebrates	48 hours
2-Ethylhexan-1-ol	203-234-3	ErC50	16.6 mg/l	algae	72 hours

Aquatic toxicity (chronic)

May cause long-term adverse effects in the aquatic environment.

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
2-Ethylhexan-1-ol	104-76-7	EC50	27.4 mg/l	aquatic invertebrates	24 h

12.2 Persistence and degradability

Tests for this parameter is not applicable to UVCB substances.

12.3 Bioaccumulative potential

Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW
Solvent naphtha (petroleum), heavy arom.	64742-94-5	<100	
2-Ethylhexan-1-ol	104-76-7		2.9
naphthalene	91-20-3	>100	3.3

DIESEL INJECT

Version number: GHS 1.0

Date of compilation: 2016-02-09

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

The hydrocarbon substances do not meet the criteria for persistence, bioaccumulation and toxicity and hence the product is not considered to be PBT or vPvB.

12.6 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains.

Waste treatment of containers/packagings

15 01 10x. Packaging containing residues of or contaminated by dangerous substances.

Waste treatment (Content) - List of wastes

14 06 03* Other solvents and solvent mixtures

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1	UN number	1993
14.2	UN proper shipping name Hazardous ingredients	FLAMMABLE LIQUID, N.O.S. Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%), Naphthalene
14.3	Transport hazard class(es) Class	3 (flammable liquids)
14.4	Packing group	III (substance presenting low danger)
14.5	Environmental hazards	hazardous to the aquatic environment (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%))
14.6	Special precautions for user Provisions for dangerous goods (ADR) should be complied within the premises.	
14.7	Transport in bulk according to Annex II of MARPOL and the IBC Code The cargo is not intended to be carried in bulk.	

Information for each of the UN Model Regulations

• Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

UN number	1993
Proper shipping name	FLAMMABLE LIQUID, N.O.S.
Class	3
Classification code	F1
Packing group	III
Danger label(s)	3 + "fish and tree"

DIESEL INJECT

Version number: GHS 1.0

Date of compilation: 2016-02-09



Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	274, 601, 640E
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
Transport category (TC)	3
Tunnel restriction code (TRC)	D/E
Hazard identification No	30
Emergency Action Code	3YE
• International Maritime Dangerous Goods Code (IMDG)	
UN number	1993
Proper shipping name	FLAMMABLE LIQUID, N.O.S.
Class	3
Marine pollutant	yes (hazardous to the aquatic environment)
Packing group	III
Danger label(s)	3 + "fish and tree"



Special provisions (SP)	223, 274, 955
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-E, S-E
Stowage category	E
• International Civil Aviation Organization (ICAO-IATA/DGR)	
UN number	1993
Proper shipping name	Flammable liquid, n.o.s.
Class	3
Environmental hazards	yes (hazardous to the aquatic environment)
Packing group	III
Danger label(s)	3



Special provisions (SP)	A3, 274
Excepted quantities (EQ)	E1
Limited quantities (LQ)	10 L

DIESEL INJECT

Version number: GHS 1.0

Date of compilation: 2016-02-09

SECTION 15: Regulatory information

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

15.2 Chemical Safety Assessment

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

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
91/322/EEC	Commission Directive on establishing indicative limit values by implementing Council Directive 80/1107/EEC
Acute Tox.	acute toxicity
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Acute	hazardous to the aquatic environment - acute hazard
Aquatic Chronic	hazardous to the aquatic environment - chronic hazard
Asp. Tox.	aspiration hazard
ATE	Acute Toxicity Estimate
BCF	BioConcentration Factor
Carc.	carcinogenicity
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EH40/2005	EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/)
EmS	Emergency Schedule
Eye Dam.	seriously damaging to the eye
Eye Irrit.	irritant to the eye
Flam. Liq.	flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
IOELV	indicative occupational exposure limit value
log KOW	n-octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
N	dangerous for the environment

DIESEL INJECT

Version number: GHS 1.0

Date of compilation: 2016-02-09

Abbr.	Descriptions of used abbreviations
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	corrosive to skin
Skin Irrit.	irritant to skin
STOT SE	specific target organ toxicity - single exposure
TWA	time-weighted average
vPvB	very Persistent and very Bioaccumulative
WEL	workplace exposure limit
Xn	harmful

Key literature references and sources for data

- Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU
- Regulation (EC) No. 1272/2008 (CLP, EU GHS)

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards/environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
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
R10	flammable
R22	harmful if swallowed
R40	limited evidence of a carcinogenic effect

DIESEL INJECT

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Code	Text
R48/20	harmful: danger of serious damage to health by prolonged exposure through inhalation
R50/53	very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	harmful: may cause lung damage if swallowed
R66	repeated exposure may cause skin dryness or cracking
R67	vapours may cause drowsiness and dizziness

Disclaimer

This Safety Data Sheet (SDS) is prepared with our best knowledge and with our best faith. It is based on information that was provided to our company via the Safety Data Sheets of the suppliers of this mixture's constituents. The information in this SDS will be updated as soon as new information is available; 3RG INDUSTRIAL SL provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Furthermore, this safety data sheet (including its Annex) is made up based on the legal requirements as set by EC 1907/2006 (REACH) based on information as is available at the date the SDS was edited. Further information received following the time scale as foreseen by REACH and the guidance policies as described in the REACH Implementation.