



**SECTION 1**

**IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY**

**1.1 Product Identifier**

Trade name: 3RG POWER SAC ®

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

Uses of the substance / mixture:

Fuels and fuels additives

Uses advised against:

Every use which is not specified in this entry or section 7.3

**1.3 Supplier details**

3RG INDUSTRIAL AUTO, SL.

Feldespató, 31

Yeles (Toledo) SPAIN

Tel: +34 925545916

E-mail address: 3rg@3rgindustrial.com

**1.4 Emergency telephone number**

Toxicological Information Service (National Institute of Toxicology and Forensic Sciences)

Phone: +34915620420.

Information in Spanish (24h/365 days) with the only purpose of providing a health response in case of emergency.

**SECTION 2**

**HAZARDS IDENTIFICATION**

**2.1 Classification of the substance /mixture**

Classification (Regulation (EC) No 1272/2008)

This product is classified according to Regulation (EC) No. 1272/2008



Section	Hazard class	Category	Hazard class and category	Hazard statement
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

### 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.

### 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 using.

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.

#### 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.

Hazardous ingredients for labelling:

Hydrocarbons, C11-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%), naphthalene, Solvent naphtha (petroleum), heavy aroma.

2.3 Other hazards

Repeated exposure may cause skin dryness or cracking.

SECTION 3












INGREDIENTS COMPOSITION/INFORMATION

3.1 Substance

Not applicable, this product is a mixture

3.2 Mixture

Description of the mixture

Name of substance	Identifier	wt%	Classification acc. to 1272/2008/EC	Pictograms	Classification acc. to 67/548/EEC
Hydrocarbons, C11- C13, 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
2-ethyhexyl nitrate	CAS No 27247-96-7 EC No 248-363-6	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



**SECTION 4**

**FIRST AID ACTION**

**4.1 First Aid measures description**

**General advice**

- Show this safety data sheet to the doctor
- First aider needs to protect himself
- Place affected clothing in a sealed bag for subsequent decontamination

**In case of inhalation**

- If breathed in, move person into fresh air.
- If symptoms persist, call a physician.

**In case of skin contact**

- Take off immediately contaminated clothing and shoes immediately.
- Wash immediately and thoroughly for a prolonged period (at least 20 minutes).
- Wash off with soap and plenty of water.
- Call a physician if irritation develops or persists

**In case of eye contact**

- Rinse immediately and abundantly with water, also under the eyelids, for at least 20 minutes.
- If eye irritation persists, consult a physician.

**In case of ingestion/suction**

- Do NOT induce vomiting.
- Rinse mouth with plenty of water.
- Risk of product entering the lungs on vomiting after ingestion.
- Lay victim on side.
- Urgent medical attention is needed

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

No data available

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

No data available



SECTION 5

FIREFIGHTING MEASURES

5.1 Fire control measures:

Appropriate fire control measures

- Foam
- Powder
- Carbon dioxide(CO<sub>2</sub>)

Inappropriate fire control measures

- High volume water jet

5.2 Specific hazards arising from the substance/mixture

Specific hazards during fire fighting

- Combustible liquid
- Container may explode if heated

Hazardous combustion products

- Carbon oxides

5.3 Advice for fire-fighters

Special protective equipment for fire-fighters

- Gloves
- Goggles
- Boots
- Full protective suit
- Self-contained breathing apparatus (EN 133)

Specific extinction methods

Use sprayed water to cool completely closed containers



SECTION 6

MEASURES AGAINST ACCIDENTAL SPILL

6.1 Personal precaution, protective equipment and emergency procedure.

- Remove all sources of ignition
- Avoid skin and eyes contact
- Ventilate the area
- Do not breathe vapour
- Special protective equipment
- Self-contained breathing apparatus (EN 133)
- Safety glasses
- Boots
- Protective suit against chemicals
- Waterproof gloves
- Keep away from flames and hot surfaces

6.2 Environmental precautions:

Avoid at all costs that the product is dumped into the sewage system

6.3 Methods and materials for containment and clean up

Recovery

- Soak up with sand or inert absorbent material.
- Pump up the product into a hermetically sealable container
- Keep in an appropriate and hermetic container and closed for its disposal.

Decontamination/cleaning

Wash off with plenty of water

Disposal

Dispose of contents/container to an approved incineration plant

Methods for containment

Dam up with sand or inert soil (do not use flammable materials)

6.4 Reference to other sections

No data available.



SECTION 7

HANDLING AND STORAGE

7.1 Precautions for safe handling

- Take measures to prevent the build-up of electrostatic charge.
- To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded.
- Provide adequate ventilation.
- Avoid contact with skin and eyes.
- Avoid inhaling vapour or mist.

Hygiene measures

- Ensure that eyewash stations and safety showers are near the workstation location
- Use clean, well-maintained personal protection equipment.
- Wash hands before breaks and at the end of the workday
- Do not eat, drink or smoke while using.

7.2 Conditions for a safe storage and incompatibilities

Technical measures / Storage conditions

- Keep in a cool and well-ventilated place
- Keep away from heat
- Store away from open flames, hot surfaces and sources of ignition
- Avoid from incompatible materials (it should be indicated by the manufacturer)
- Keep away from: acids, alkalis and caustic products

Packaging material

Suitable materials:

- Stainless steel
- Teflon ®
- Hydrocarbon resistant materials

Unsuitable materials:

- Rubbers

7.3 Specific(s) end uses(s)

Unavailable information



## SECTION 8

### EXPOSURECONTROLS/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 <sup>3</sup> ]	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, C11-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	DNEL	330 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
Hydrocarbons, C11-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	DNEL	570 mg/cm <sup>3</sup>	human, inhalatory	worker (industry)	acute - systemic effects
Hydrocarbons, C11-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	DNEL	44 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
Hydrocarbons, C11-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	DNEL	570 mg/cm <sup>3</sup>	human, inhalatory	consumer (private households)	acute - systemic effects
Hydrocarbons, C11-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	DNEL	71 mg/cm <sup>3</sup>	human, inhalatory	consumer (private households)	acute - systemic effects
Hydrocarbons, C11-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	DNEL	26 mg/kg	human, dermal	consumer (private households)	chronic - systemic effects
Hydrocarbons, C11-	919-446-	DNEL	26 mg/kg	human, oral	consumer	chronic - systemic





C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	0				(private households)	effects
Solvent naphtha (petroleum), heavy aroma	265-198-5	DNEL	151 mg/m <sup>3</sup>	human, inhalatory	professionals	chronic - local effects
2-Ethylhexan-1-ol	203-234-3	DNEL	53.2 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects
2-Ethylhexan-1-ol	203-234-3	DNEL	53.2 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects

Name of substance	End point	Protection goal, route of exposure	Value	Used in	Exposure time
2-ethylhexyl nitrate	DNEL	Long term Dermal	1 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation Long term Dermal	0.35 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal Long term Inhalation Long term Oral	0.044 mg/cm <sup>2</sup>	Workers	Local
	DNEL		0.52 mg/kg bw/day	Consumers	Systemic
	DNEL		0.087 mg/m <sup>3</sup>	Consumers	Systemic
	DNEL		0.025 mg/kg bw/day	Consumers	Systemic
	DNEL		0.022 mg/cm <sup>2</sup>	Consumers	Local

Relevant PNECs of components of the mixture

Name of substance	End point	Compartment details	Value	Method Detail
2-ethylhexyl nitrate	PNEC	Fresh water	0.8 µg/l	Assessment Factors
	PNEC	Marine	0.08 µg/l	Assessment Factors
	PNEC	Sediment	0.00074 mg/kg dwt	Equilibrium Partitioning
	PNEC	Soil	0.000191 mg/kg dwt	Equilibrium Partitioning
naphthalene	PNEC	Soil	53.3 µg/kg	short-term (single instance)
naphthalene	PNEC	freshwater sediment	67.2 µg/kg	short-term (single instance)



## SECTION 9

### PHYSICAL AND CHEMICAL PROPERTIES

#### 9. Physical and chemical basic properties information

<i>Physical appearance:</i>	liquid
<i>Colour:</i>	amber
<i>Odour:</i>	characteristic
<i>Odour Threshold:</i>	no data available
<i>PH:</i>	Insoluble product
<i>Melting/freezing point</i>	unavailable information
<i>Boiling temperature:</i>	135° at 1 atm
<i>Flash point:</i>	>30° at 1 atm
<i>Evaporation range (Butyl acetate = 1):</i>	unavailable information
<i>Flammability (solid, gas):</i>	not relevant (fluid)
<i>Flammability / Explosive limit :</i>	no data available
<i>Auto-inflammation temperature:</i>	200°
<i>Vapour pressure:</i>	10 kPa – 20°
<i>Vapour density:</i>	>1 (101 kPa) Solvent
<i>Density:</i>	0.89 g/cm <sup>3</sup> (20°)
<i>Relative density:</i>	no data available
<i>Solubility:</i>	<i>Water solubility:</i> 0.13 mg/l (20°) Organic compound of iron < 1mg/l (20°) Solvent <i>Solubility in other solvents:</i> Common organic solvents: soluble
<i>Partition coefficient: n-octanol/water :</i>	log Pow: 6.3 Organic compound of Iron No data available, solvent



<i>Decomposition temperature:</i>	no data available
<i>Viscosity:</i>	none
<i>Explosive properties:</i>	negative / mechanical sensibility (shock)
<i>Oxidizing properties:</i>	no data available

**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**

Not 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 Dangerous 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.

**SECTION 11****TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****Acute Toxicity**

Acute oral toxicity:	According to the data on the components Not classified as hazardous for acute oral toxicity according to GHS.  According to the classification criteria for mixtures. Expert judgement
Acute inhalation toxicity:	According to the data on the components The product has a low acute toxicity  According to the classification criteria for mixtures Expert judgement
Acute dermal toxicity:	According to the data on the components Not classified as hazardous for acute dermal toxicity according to GHS.  According to the classification criteria for mixtures. Expert judgement
Acute toxicity (other routes of information):	Unavailable information
<b><u>Skin corrosion/irritation</u></b>	According to the data on the components Mild skin irritation  According to the classification criteria for mixtures Expert judgement



Serious eye irritation and damage

According to the data on the components

Not classified as irritating to eyes

According to the classification criteria for mixtures

Expert judgement

Respiratory or skin sensitization

According to the data on the components

Does not cause skin sensitisation

According to the classification criteria for mixtures

Expert judgement

Mutagenicity

Genotoxicity in vitro:

According to the data on the components

Product is not considered to be genotoxic

According to the classification criteria for mixtures

Expert judgement

Genotoxicity in vivo:

no data available

Carcinogenicity

no data available

Toxicity for reproduction and development

Toxicity to reproduction/fertility

According to the data on the components

The product is not considered to affect fertility

According to the classification criteria for mixtures

Expert judgement

Developmental toxicity

According to the data on the components

The product is not considered to be toxic for development

According to the classification criteria for mixtures

Expert judgement

STOT

STOT – single exposure:

is not classified as organ toxicant for a single exposure according to GHS criteria.

According to the classification criteria for mixtures

STOT – repeated exposures:

is not classified as specific target organ toxicant, repeated exposure according to GHS criteria.



According to the classification criteria for mixtures

According to the data on the components

No adverse effect has been observed in toxicity tests by repeated administration.

Unpublished internal reports

Unpublished reports

Aspiration toxicity

According to the data on the components. No aspiration toxicity classification.

According to the classification criteria for mixtures  
Expert judgement

**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, C11-C13, n-alkanes, isoalkanes, cyclics,	919-446-0	ErC50	0.94 mg/l	algae	72 hours
Hydrocarbons, C11-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	EC50	0.53 mg/l	algae	72 hours
Hydrocarbons, C11-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	EL50	22 mg/l	daphnia magna	48 hours



Hydrocarbons, C11-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	EL50	10 mg/l	algae	72 hours
Hydrocarbons, C11-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	EL50	43.98 mg/l	microorganisms	48 hours
Hydrocarbons, C11-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	LL50	30 mg/l	fish	96 hours
Solvent naphtha (petroleum), heavy aroma	265-198-5	EC50	3 mg/l	daphnia	72 hours
Solvent naphtha (petroleum), heavy aroma	265-198-5	EC50	10 mg/l	fish	48 hours
Solvent naphtha (petroleum), heavy aroma	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 invertebrat	24 h

### 12.2 Persistence and degradability

Tests for this parameter is not applicable to UVCB substances

### 12.3 Bio accumulative potential

Bio accumulative potential of components of the mixture

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

### 12.4 Soil mobility

Not available data

### 12.5 Results of PBT and vPvB assessment

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

### 12.6 Other adverse effects

Unavailable information

## 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 (content)

14 06 03x. Other solvents and solvent mixtures.

Waste treatment of containers / packaging

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

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**

ADR: not regulated

RID: not regulated

IMDG: not regulated

IATA: not regulated

ADN/ADNR: not regulated

\*Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of the transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

**SECTION 15**

**REGULATORY INFORMATION**

**15.1 Security, health and environment regulation/legislation for the substance or mixture**

According to our knowledge, there is no specific regulatory information.

**15.2 Chemical safety assessment**

No data available



## SECTION 16

### OTHER INFORMATION

#### 16.1 Full text of H-statements mentioned in sections 2 and 3

- H304: may be mortal in case of ingestion or penetration airways
- H315: causes skin irritation
- H319: causes serious eye irritation
- H332: harmful if inhaled
- H335: respiratory irritation can be identified

#### 16.2 Other relevant information

Mixture in CLP format.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. Such information is only given as guidance to help the user handle, use, process, store, transport, dispose and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in any other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring it is in conformity with all regulations linked to its activity.

## SECTION 1

### SUBSTANCE/MIXTURE IDENTIFIER AND THE COMPANY

#### 1.1 Product Identifier

Trade name: 3RG POWER SAC ®  
FAP Diesel Additive, suitable for vehicles from March 2010  
Product number: M88250-02

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

##### Uses of the substance:

Fuels and fuels additives

##### Uses advised against:

Every use which is not specified in this entry or section 7.3

#### 1.3 Supplier details

3RG INDUSTRIAL AUTO, SL.  
Feldespató 31  
Yeles (Toledo) SPAIN  
Tel : +34 925545916  
E-mail address: 3rg@3rgindustrial.com

#### 1.4 Emergency telephone number

Toxicological Information Service (National Institute of Toxicology and Forensic Sciences)  
Phone: +34915620420.  
Information in Spanish (24h/365 days). Only for the purpose of providing a health response in an emergency.

## SECTION 2

### RISK IDENTIFICATION

#### 2.1 Classification of the substance

##### Regulation (EC) No 1272/2008

- This product is not classified as dangerous according to Regulation (EC) No. 1272/2008
- Acute toxicity. 4: H302+H312+H332
- Aquatic Chronic 2: H411-Chronic dangerousness for the aquatic environment, level 2, H411

## 2.2 Label elements

### Regulation (EC) No 1272/2008

- This mixture is not classified as dangerous according to Regulation (EC) N.1272/2008
- Acute Toxicity 4: H302+H312+H322 Harmful if ingested, skin contact or inhalation
- Aquatic Chronic 2: H411 - Toxic for aquatic organisms, with long term harmful effects

### Precautions

- P101: If medical advice is needed, keep on hand label or pack.
- P102: Keep out of children
- P264: Strictly cleaning after manipulation
- P280: Use of gloves/clothes/mask protection
- P302+P352: In case of skin contact, wash plentifully with water.
- P304+P340: In case of inhalation: take the person outdoors and keep it in a position that makes breathing easier.

### Complementary information

Safety sheet available upon request

## 2.3 Other not classified risks

### PBT y vPvB Ratings

- This mixture does not contain persistent, bio-accumulative or toxic substances (PBT)
- This mixture contains no substance considered to be very persistent and very bio-accumulating (vPvB)

## SECTION 3

### INGREDIENTS COMPOSITION/INFORMATION

#### 3.1 Substance

Not applicable, this product is a mixture

#### 3.2 Mixture

Chemical description-mixture of substances

#### Components

In agreement to Regulation (CE) n. 1907/2006 –section 3- the producer presents:

<b>Chemical Name</b>	<b>Identification Number</b>	<b>Classification Regulation (EC) N° 1272/2008</b>	<b>Concentration (%)</b>
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	CAS-Not applicable CE: 920-901-0 Reach: 01-2119456810-40-xxxx Autoclassified	Aspiration hazard, Category 1; H304	25-<50
NA additive	Reglamento 1272/2008 Autoclasificada	Acute Tox 4: H302+H312+H322 Aquatic Chronic 2: H411	25-<10
<b>Non-hazardous ingredients</b>			
Hydrocarbons, C10, C13 N-alkanes Isoalcanos, Cicliocs, 2% aromatic	CAS-N° 918-481-9 Regulation: 1272/2008 Reach: 01-21119457273-39-xxxx		<25

For further information about dangerousness of substances, read epigraphs 8, 11, 12, 15, 16.

## SECTION 4

### FIRST AID ACTION

#### 4.1 First Aid measures description

##### General advice

Show this safety data sheet to the doctor

##### Inhalation

- If breathed in, move person into fresh air.
- If symptoms persist, call a physician.

##### In case of skin contact

- Take off immediately contaminated clothing and shoes immediately.
- Wash immediately and thoroughly for a prolonged period (at least 20 minutes).
- Wash off with soap and plenty of water.
- Call a physician if irritation develops or persists

##### In case of eye contact

- Rinse immediately and abundantly with water, also under the eyelids, for at least 20 minutes.
- If eye irritation persists, consult a physician.

##### In case of ingestion/suction

- Do NOT induce vomiting.
- Rinse mouth with plenty of water.
- Risk of product entering the lungs on vomiting after ingestion.
- Lay victim on side.
- Urgent medical attention is needed

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Not relevant information

## SECTION 5

### FIREFIGHTING MEASURES

#### 5.1 Fire control measures:

**NOT FAMMABLE PRODUCT** under normal storage and handling conditions.

##### Appropriate fire control measures

- Foam
- Powder
- Carbon dioxide(CO<sub>2</sub>)

##### Inappropriate fire control measures

- Water jet

#### 5.2 Specific hazards arising from the substance /mixture

##### Specific hazards during firefighting

- Thermal combustion or decompression could result in highly toxic reaction by products and can, therefore, present a high health risk for health.
- The container could explode if is in contact with a heating source

#### 5.3 Recommendations and equipment for fire fighting personnel

- Gloves
- Goggles
- Boots
- Full protective suit against chemical components
- Self-contained breathing apparatus (EN 133)

## Specific extinction methods

Use sprayed water to cool completely closed containers

## SECTION 6

### MEASURES AGAINST ACCIDENTAL DISCHARGE

#### 6.1 Personal precaution, protective equipment and emergency procedure.

- Isolate the escapes
- Avoid skin and eyes contact
- Ventilate the area
- Do not breathe vapour
- Special protective equipment
- Self-contained breathing apparatus (EN 133)
- Safety goggles
- Boots
- Protective suit against chemicals
- Waterproof gloves
- Keep away from flames and hot surfaces

#### 6.2 Environmental precautions:

Avoid at all costs that the product is dumped into the sewage system

#### 6.3 Methods and materials for containment and clean up

##### Recovery

- Soak up with sand or inert absorbent material.
- Pump up the product into a hermetically sealable container
- Keep in an appropriate and hermetic container and closed for its disposal.

##### Decontamination/cleaning

Wash off with plenty of water

#### 6.4 Reference to other sections

See epigraphs 8 and 13

SECTION 7

HANDLING AND STORAGE

7.1 Precautions for safe handling

General precautions

- Comply with existing legislation on prevention of occupational hazards.
- Keep containers hermetically closed.
- Control spills and residues, eliminating them with safe methods (section 6)
- Avoid the free discharge from the container.
- Maintain order and cleanliness where dangerous products are handled.

Technical recommendations for fire and explosion prevention

- Not flammable product under normal conditions of storage, handling and use.
- It is recommended a slow transfer to avoid the generation of electrostatic charges that could affect flammable products.
- Check section 10 about conditions and matters that should be avoided.

7.2 Conditions for a correct storage and incompatibilities

Technical measures / Storage conditions

A – Technical storage measures

ITC (R.D.379/2001) MIE-APQ 7

Classification: Xn

Minimum temperature 5 ° C

Maximum temperature 30 ° C

Time limit: 6 months

- Keep in a cool and well-ventilated place
- Avoid open flames, hot surfaces and sources of ignition
- Avoid from incompatible materials (it should be indicated by the manufacturer)
- Keep away from: acids, alkalis and caustic products

Inappropriate material

Rubber

7.3 Specific(s) end uses(s)

Unavailable information



## SECTION 8

### EXPOSURES CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

There are not environmental limit values for the substances that constitute the product

#### 8.2 Exhibition controls

##### A-Working environment

It is recommended, as a prevention measure, the use of basic personal protective equipment, with the corresponding mark of “CE” according to R.D 1407/1992 and subsequent amendments.

##### B-Respiratory protection

- Use a filtering respirator if a risk assessment indicates that is necessary
- Respirator with filter for organic vapour

##### C-Hands protection

- Wear non-disposable and chemical protective gloves.
- The gloves should satisfy the specifications of EUR Directive 89/686/EEC and the standard EN374
- Observe permeability and breakthrough time that is provided by the glove’s supplier, as well as the danger of cuts and erosion.
- Inspect the gloves prior use
- Discard if there is any degradation of the gloves.

##### D-Skin and body protection

- Body protection will differ accordingly to the amount and concentration of the substance at work place.
- Remove and wash contaminated clothing.
- Use long sleeved clothing

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.

Such information is only given as guidance to help the user handle, use, process, store, transport, dispose and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in any other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.

**SECTION 9****PHYSICAL AND CHEMICAL PROPERTIES****9. Physical and chemical basic properties information**

<i>Physical appearance:</i>	liquid
<i>Colour:</i>	dark amber
<i>Smell:</i>	no determined
<i>PH:</i>	Insoluble product
<i>Melting/freezing point</i>	unavailable information
<i>Boiling temperature:</i>	197°
<i>Ignition point:</i>	non-flammable (<60-64°C)
<i>Evaporation range (Butylacetate = 1):</i>	unavailable information
<i>Flammability (liquids):</i>	non-flammable (>60°C)
<i>Flammability/Límite explosivo auto-ignición:</i>	información no disponible
<i>Auto-inflammation temperature:</i>	265°
<i>20° vapour pressure:</i>	32 Pa
<i>50° vapour pressure:</i>	233 Pa (0 kPa)
<i>Density to 20°:</i>	849 kg/m <sup>3</sup>
<i>Relative density:</i>	0.849 at 20°
<i>Explosive properties:</i>	negative / mechanical sensibility (shock)
<i>Oxidizing properties:</i>	not relevant information

**9.2 Other information**

Information not available

## SECTION 10

### STABILITY AND REACTIVITY

#### 10.1 Reactivity

Dangerous reactions are not expected if the technical instructions for storing chemical products are complied with.

See Section 7.

#### 10.2 Chemical Stability

Stable at room temperature

#### 10.3 Possibility of hazardous reactions

Under normal storage conditions, no dangerous reactions are expected

#### 10.4 Conditions to avoid

Applicable for handling and storage at room temperature

#### 10.5 Incompatible materials

- Strong acids and bases
- Strong oxidizing agents
- Mineral acids

#### 10.6 Dangerous decomposition products

Carbon oxides

## SECTION 11

### TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

##### Acute Toxicity

The ingestion of a considerable dose could cause throat irritation, abdominal pain, nausea and vomiting.

##### Acute inhalation toxicity

The product has a low toxicity in high concentrations; it can cause depression of the central nervous system, causing headache, dizziness, nausea, vomiting and confusion, and in case of serious condition, loss of conscience.

#### Acute dermal toxicity

Not classified as hazardous for acute dermal toxicity according to GHS.

#### Acute toxicity (other routes of information)

Unavailable information

#### Skin contact

It can be harmful if the product is absorbed by the skin. See section 2.

#### Eye irritation and damage

It doesn't present any dangerous substances for eyes. For further information see section 3.

#### Respiratory or skin sensitization

It does not contain substances hazardous to the skin, above the limits set out in point 3.2

#### Mutagenicity

- Genotoxicity in vitro: It is not considered to be genotoxic
- Genotoxicity in vivo: not relevant information

#### Carcinogenicity

Not relevant information

- Toxicity to reproduction/fertility: the product is not considered to affect fertility.
- Developmental Toxicity/Teratogenicity: this product is not considered to be toxic for development. The product is not deemed to be teratogenic.

#### STOT

- STOT – single exposure: is not classified as organ toxicant for a single exposure according to GHS criteria.
- STOT – repeated exposures: is not classified as specific target organ toxicant, repeated exposure according to GHS criteria.

#### Aspiration toxicity

No aspiration toxicity classification exists.

SECTION 12

ECOLOGICAL INFORMATION

**12.1 Toxicity**

Aquatic environment

- Acute toxicity to fish: undetermined
- Acute toxicity to daphnia and other aquatic invertebrates: undetermined
- Toxicity to aquatic plants: undetermined
- Toxicity to microorganisms: undetermined
- Chronic toxicity to fish: undetermined
- Chronic toxicity to daphnia and other aquatic invertebrates: undetermined
- Chronic Toxicity to aquatic plants: undetermined

Terrestrial environment

- Toxicity to soil dwelling organisms: undetermined
- Toxicity to terrestrial plants: undetermined

**12.2 Persistence and degradability**

Abiotic degradation

Undetermined

Physical and photo-chemical elimination

Undetermined

Biodegradability

Easily biodegradable

Degradability assessment

Not determined

**12.3 Bioaccumulative potencial**

Not determined

**12.4 Soil mobility**

Absorption potencial (Koc): not determined

**12.5 Results of PBT and vPvB assessment**

Not applicable

**12.6 Other adverse effects**

Unavailable information

**SECTION 13**

**INFORMACIÓN ECOLÓGICA**

**13.1 Waste treatment methods**

**Product disposal**

Must be incinerated in a suitable incineration plant and always holding a permit delivered by the competent authorities.

**Advice on cleaning and disposal of packaging**

- Carefully drain and then steam clean
- It may be reused after decontamination
- Dispose of in accordance to local regulations

**SECTION 14**

**TRANSPORT INFORMATION**

**ADR**: not regulated

**RID**: not regulated

**IMDG**: not regulated

**IATA**: not regulated

**ADN/ADNR**: not regulated

\*Note: Regulations for hazardous material's transport could vary, so it would be advisable to check the current rules in the countries at all times.

**SECTION 15**

**REGULATORY INFORMATION**

**15.1 Security, health and environment regulation/legislation for the substance or mixture**

There is no specific regulatory information.

**15.2 Chemical safety assessment**

It does not exist

**SECTION 16**

**OTHER INFORMATION**

**16.1 Full text of H-statements mentioned in sections 2 and 3**

- H304: may be mortal in case of ingestion or penetration airways
- H315: causes skin irritation
- H319: causes serious eye irritation
- H332: harmful if inhaled
- H335: respiratory irritation can be identified

**16.2 Other relevant information**

Mixture in regulation format: N1272/2008 CLP

### SECTION 1

#### SUBSTANCE/MIXTURE IDENTIFIER AND THE COMPANY

##### 1.1 Product Identifier

Trade name: 3RG POWER SAC ®

FAP Diesel Additive, suitable for vehicles from March 2000.

Product number: 88242; 88243; 88244; 88245; 88246; 88247 and 88248.

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

###### Uses of the substance:

Fuels and fuels additives

###### Uses advised against:

Every use which is not specified in this entry or section 7.3

##### 1.3 Supplier details

3RG INDUSTRIAL AUTO, SL.

Feldespató 31

Yeles (Toledo) SPAIN

Tel : +34 925545916

E-mail address: 3rg@3rgindustrial.com

##### 1.4 Emergency telephone number

Toxicological Information Service (National Institute of Toxicology and Forensic Sciences)

Phone: +34915620420.

Information in Spanish (24h/365 days). Only for the purpose of providing a health response in an emergency.



### SECTION 2

#### RISK IDENTIFICATION

##### 2.1. Classification of the substance or mixture

##### 2.1.1 Classification of the mixture according to Regulation (EC) No. 1272/2008 (CLP/GHS)

2.6 Flammable liquids Cat. 2 (Flam. Liq 2) H225

3.2 From skin to corrosion / irritation Cat. 2 (Piel Irrit.2) H315

3.7 Reproductive toxicity. Cat. 2 (Repr.2) H361d

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

*The most important adverse physic chemistry, environmental and human health effects.*

The product is combustible and may ignite from potential sources of ignition. Spills and fire water can cause contamination of water courses.

##### 2.2. Label elements

**Signal Word:** Danger

**GHS pictograms:** GHS02, GHS08, GHS07, GHS09



##### **Hazard indication:**

H225 Highly flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H361d Suspected of damaging the fetus

H411 Toxic to aquatic organisms, with lasting harmful effects.

##### **Prudence tips:**

P210 Keep away from heat sources, sparks, open flame or hot surfaces. - No Smoking.

P260 Do not breathe gas / vapors.

P280 Wear gloves/clothing/glasses/protective mask.

P301 + P310 + P331 IF SWALLOWED: Immediately call a TOXICOLOGICAL INFORMATION CENTER or a doctor. DO NOT induce vomiting.

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P303 + P361 + P353 IF IN SKIN (or hair): Remove contaminated clothing immediately. Clear your skin with water or shower.

P304 + 340 IF INHALED: Transport victim to fresh air and keep at rest in a position comfortable for breathing.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep the recipient hermetically sealed.

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

Labeling hazard determining components: Product contains hydrocarbons, C9 - C12 n-alkanes, isoalkanes, cyclic, aromatic (2-25%) of EC 919-446-0, CAS 108-88-3 toluene

### 2.3. Other dangers

Repeated exposure may cause dryness or cracking of the skin.

## SECTION 3

### INGREDIENTS COMPOSITION/INFORMATION

#### Substance

Substances	CAS number	EC number	DSD	CLP	w/w %
Hydrocarbons, C9-C12, nalkanes, isoalkanes, cyclics, aromatics (2-25%)	-	919-446-0	flammable; R10 harmful; Xn; R48/20-65 R66-67 dangerous for the environment; N; R51-53	Flam. Liq. 3; H226 Asp. Tox. 1; H304, STOT SE 3; H336 Aquatic Chronic 2; H411	50 - < 75
Proprietary Catalyst (Pt, Ce, Fe metallic compounds)	-	265-198-5	-	-	10 - < 25
toluene	108-88-3	203-625-9	highly flammable; F; R11 harmful; Xn; R48/20-65 irritant; Xi; R38 toxic for reproduction; Repr. Cat. 3; R63 R67	Flam. Liq. 2 / H225 Skin Irrit. 2 / H315 Repr. 2 / H361d STOT SE 3 / H336 STOT RE 2 / H373 Asp. Tox. 1 /	5 - < 10

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solvent naphtha	64742-94-5	265-198-5	-	Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Aquatic Chronic 2 / H411	5 - < 10
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### SECTION 4

#### FIRST AID ACTION

##### 4.1 First Aid measures description

###### General advice

Show this safety data sheet to the doctor

###### Inhalation

- If breathed in, move person into fresh air.
- If symptoms persist, call a physician.

###### In case of skin contact

- Take off immediately contaminated clothing and shoes immediately.
- Wash immediately and thoroughly for a prolonged period (at least 20 minutes).
- Wash off with soap and plenty of water.
- Call a physician if irritation develops or persists

###### In case of eye contact

- Rinse immediately and abundantly with water, also under the eyelids, for at least 20 minutes.
- If eye irritation persists, consult a physician.

###### In case of ingestion/suction

- Do NOT induce vomiting.
- Rinse mouth with plenty of water.
- Risk of product entering the lungs on vomiting after ingestion.
- Lay victim on side.
- Urgent medical attention is needed

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Not relevant information

### SECTION 5

#### FIREFIGHTING MEASURES

##### 5.1 Fire control measures:

Not flammable product under normal storage and handling conditions.

##### Appropriate fire control measures

- Foam
- Powder
- Carbon dioxide(CO<sub>2</sub>)

##### Inappropriate fire control measures

- Water jet

##### 5.2 Specific hazards arising from the substance /mixture

##### Specific hazards during firefighting

- Thermal combustion or decompression could result in highly toxic reaction by products and can, therefore, present a high health risk for health.
- The container could explode if is in contact with a heating source

##### 5.3 Recommendations and equipment for fire fighting personnel

- Gloves
- Goggles
- Boots
- Full protective suit against chemical components
- Self-contained breathing apparatus (EN 133)

### Specific extinction methods

Use sprayed water to cool completely closed containers

## SECTION 6

### MEASURES AGAINST ACCIDENTAL DISCHARGE

#### 6.1 Personal precaution, protective equipment and emergency procedure.

- Isolate the escapes
- Avoid skin and eyes contact
- Ventilate the area
- Do not breathe vapour
- Special protective equipment
- Self-contained breathing apparatus (EN 133)
- Safety goggles
- Boots
- Protective suit against chemicals
- Waterproof gloves
- Keep away from flames and hot surfaces

#### 6.2 Environmental precautions:

Avoid at all costs that the product is dumped into the sewage system

#### 6.3 Methods and materials for containment and clean up

##### Recovery

- Soak up with sand or inert absorbent material.
- Pump up the product into a hermetically sealable container
- Keep in an appropriate and hermetic container and closed for its disposal.

##### Decontamination/cleaning

Wash off with plenty of water

#### 6.4 Reference to other sections

See epigraphs 8 and 13.

### SECTION 7

#### HANDLING AND STORAGE

##### 7.1 Precautions for safe handling

###### General precautions

- Comply with existing legislation on prevention of occupational hazards.
- Keep containers hermetically closed.
- Control spills and residues, eliminating them with safe methods (section 6)
- Avoid the free discharge from the container.
- Maintain order and cleanliness where dangerous products are handled.

###### Technical recommendations for fire and explosion prevention

- Not flammable product under normal conditions of storage, handling and use.
- It is recommended a slow transfer to avoid the generation of electrostatic charges that could affect flammable products.
- Check section 10 about conditions and matters that should be avoided.

##### 7.2 Conditions for a correct storage and incompatibilities

###### Technical measures/Storage conditions

A – Technical storage measures

ITC (R.D.379/2001) MIE-APQ 7

Classification: Xn

Minimum temperature 5 ° C

Maximum temperature 30 ° C

Time limit: 6 months

- Keep in a cool and well-ventilated place
- Avoid open flames, hot surfaces and sources of ignition
- Avoid from incompatible materials (it should be indicated by the manufacturer)
- Keep away from: acids, alkalis and caustic products

###### Inappropriate material

Rubber

##### 7.3 Specific(s) end uses(s)

Unavailable information

### SECTION 8

#### EXPOSURES CONTROLS/PERSONAL PROTECTION

##### 8.1 Control parameters

There are not environmental limit values for the substances that constitute the product

##### 8.2 Exhibition controls

###### A-Working environment

It is recommended, as a prevention measure, the use of basic personal protective equipment, with the corresponding mark of "CE" according to R.D 1407/1992 and subsequent amendments.

###### B-Respiratory protection

- Use a filtering respirator if a risk assessment indicates that is necessary
- Respirator with filter for organic vapour

###### C-Hands protection

- Wear non-disposable and chemical protective gloves.
- The gloves should satisfy the specifications of EUR Directive 89/686/EEC and the standard EN374
- Observe permeability and breakthrough time that is provided by the glove's supplier, as well as the danger of cuts and erosion.
- Inspect the gloves prior use
- Discard if there is any degradation of the gloves.

###### D-Skin and body protection

- Body protection will differ accordingly to the amount and concentration of the substance at work place.
- Remove and wash contaminated clothing.
- Use long sleeved clothing

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.

Such information is only given as guidance to help the user handle, use, process, store, transport, dispose and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other

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materials or in any other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.

### SECTION 9

#### PHYSICAL AND CHEMICAL PROPERTIES

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

Property	Value
Ph 20°C and 101.3kPa	Appearance: Physical State: Líquid Color: dark amber Smell: characteristic
pH	No determinated
Melting point / freezing point	No determinated
Initial boiling point and boiling range	110.6 ° C a 1.013 hPa
Flashpoint	265°
Evaporation rate	No determinated
Flammability (solid, gas)	It is not relevant (liquid)
Upper / lower flammability or explosive limits	Lower explosive limits: 0.6% Upper explosion limits: 7.1 vol%
Vapor pressure	0.448 PSI a 70 °F
Relative density	0.83 g/cm <sup>3</sup> .
Solubilities	No determinated
Partition coefficient n-octanol / water	No data available
Autoignition temperature	>200 °C
Decomposition temperature	No data available
Viscosity	Kinematics (room temperature): 0.34 cm <sup>2</sup> / s (34 cSt) Kinematic (40 ° C (104 ° F)): 0.17 cm <sup>2</sup> / s (17 cSt)
Particle size	The substance / product is handled or used in a non-solid or granular form.
Explosive properties	N/A
Oxidizing properties	N/A



### SECTION 10

#### STABILITY AND REACTIVITY

##### 10.1 Reactivity

Dangerous reactions are not expected if the technical instructions for storing chemical products are complied with.

See Section 7.

##### 10.2 Chemical Stability

Stable at room temperature

##### 10.3 Possibility of hazardous reactions

Under normal storage conditions, no dangerous reactions are expected

##### 10.4 Conditions to avoid

Applicable for handling and storage at room temperature

##### 10.5 Incompatible materials

- Strong acids and bases
- Strong oxidizing agents
- Mineral acids

##### 10.6 Dangerous decomposition products

Carbon oxides

### SECTION 11

#### TOXICOLOGICAL INFORMATION

##### 11.1 Information on toxicological effects

###### Acute Toxicity

The ingestion of a considerable dose could cause throat irritation, abdominal pain, nausea and vomiting.

###### Acute inhalation toxicity

The product has a low toxicity in high concentrations; it can cause depression of the central nervous system, causing headache, dizziness, nausea, vomiting and confusion, and in case of serious condition, loss of conscience.

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### Acute dermal toxicity

Not classified as hazardous for acute dermal toxicity according to GHS.

### Acute toxicity (other routes of information)

Unavailable information

### Skin contact

It can be harmful if the product is absorbed by the skin. See section 2.

### Eye irritation and damage

It doesn't present any dangerous substances for eyes. For further information see section 3.

### Respiratory or skin sensitization

It does not contain substances hazardous to the skin, above the limits set out in point 3.2

### Mutagenicity

- Genotoxicity in vitro: It is not considered to be genotoxic
- Genotoxicity in vivo: not relevant information

### Carcinogenicity

Not relevant information

- Toxicity to reproduction/fertility: the product is not considered to affect fertility.
- Developmental Toxicity/Teratogenicity: this product is not considered to be toxic for development. The product is not deemed to be teratogenic.

### STOT

- STOT – single exposure: is not classified as organ toxicant for a single exposure according to GHS criteria.
- STOT – repeated exposures: is not classified as specific target organ toxicant, repeated exposure according to GHS criteria.

### Aspiration toxicity

No aspiration toxicity classification exists.

**SECTION 12**

**ECOLOGICAL INFORMATION**

**Toxic for water organisms**

**12.1 Toxicity**

Aquatic toxicity (acute) of mixture components

Substance name	Endpoint	Value	Species	Exposition time
Hydrocarbons, C9 - C12 n-alkanes, isoalkanes, cyclic, aromatic (2-25%)	ErC50	0.94 mg/l	algae	72 hours
	EC50	0.53 mg/l	algae	72 hours
	EL50	22 mg/l	daphnia magna	48 hours
	EL50	10 mg/l	algae	72 hours
	EL50	43.98 mg/l	microorganisms	48 hours
	LL50	30 mg/l	fish	96 hours
Toluene	LC50	5.5 mg/l	fish	96 hours

**Aquatic toxicity (chronic)**

May cause long-term adverse effects in the aquatic environment

Substance Name	Endpoint	Value	Species	Exposition time
Tolueno	LC50	3.78 mg/l	aquatic invertebrates	2 d
	EC50	3.23 mg/l	aquatic invertebrates	7 d

**12.2 Degradability process**

The tests of this parameter are not applicable to UVCB substances.

**12.3 Bioaccumulative potential**

Bio-accumulative potential of the components of the mixture

Substance Name	Log KOW	BCF
Solvent naphtha (petroleum), heavy aromatic	-	<100
Toluene	2.73	90

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

Hydrocarbon substances do not meet the criteria of persistence, bioaccumulation and toxicity and, therefore, the product is not considered as PBT or VPVB

### 12.6 Other adverse effects

No data available.

## SECTION 13

### RELATIVE CONSIDERATIONS TO ELIMINATION

#### 13.1 Waste treatment methods

##### Product disposal

Must be incinerated in a suitable incineration plant and always holding a permit delivered by the competent authorities.

##### Advice on cleaning and disposal of packaging

- Carefully drain and then steam clean
- It may be reused after decontamination
- Dispose of in accordance to local regulations

## SECTION 14

### TRANSPORT INFORMATION

ADR: not regulated

RID: not regulated

IMDG: not regulated

IATA: not regulated

ADN/ADNR: not regulated

\*Note: Regulations for hazardous material's transport could vary, so it would be advisable to check the current rules in the countries at all times.

### SECTION 15

#### REGULATORY INFORMATION

##### 15.1 Security, health and environment regulation/legislation for the substance or mixture

There is no specific regulatory information.

##### 15.2 Chemical safety assessment

It does not exist

### SECTION 16

#### OTHER INFORMATION

##### 16.1 Full text of H-statements mentioned in sections 2 and 3

- H304: may be mortal in case of ingestion or penetration airways
- H315: causes skin irritation
- H319: causes serious eye irritation
- H332: harmful if inhaled
- H335: respiratory irritation can be identified

##### 16.2 Other relevant information

Mixture in regulation format: N1272/2008 CLP