

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- Trade name EOLYS® DPX42 KITS

1.2 Relevant identified uses of the substance or mixture and uses advised against**Uses of the Substance/Mixture**

- Fuels and fuel additives

Uses advised against

- Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet**Company**

France Auto Sp. z o.o. Sp.k.
Karniszewicka 79/83 - 95-200 Pabianice POLAND
Ph: +48 504040204 - sklep@franceauto.pl - www.franceauto.pl

E-mail address

sklep@franceauto.pl

1.4 Emergency telephone number

+44(0)1235 239 670 [CareChem 24]

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification (Regulation (EC) No 1272/2008)**

Aspiration hazard, Category 1

H304: May be fatal if swallowed and enters airways.
EUH066: Repeated exposure may cause skin dryness or cracking.

2.2 Label elements**Regulation (EC) No 1272/2008****Hazardous products which must be listed on the label**

- CAS-No. 90622-58-5 Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Pictogram**Signal word**

- Danger

Hazard statements

- H304 May be fatal if swallowed and enters airways.

Precautionary statementsResponse

- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P331 Do NOT induce vomiting.

Storage

- P405 Store locked up.

Disposal

- P501 Dispose of contents/ container to an approved waste disposal plant.

Additional Labeling

- EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards which do not result in classification**Results of PBT and vPvB assessment**

- This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).
- This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients**3.1 Substance**

- Not applicable, this product is a mixture.

3.2 Mixture

- Chemical nature mixture based on
Isoparaffin solvent
Organic compound of Cerium

Information on Components and Impurities

Chemical name	Identification number	Classification Regulation (EC) No 1272/2008	Concentration [%]
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	CAS-No. : 90622-58-5 List Number : 920-901-0 Registration number: 01-2119456810-40-xxxx self classification	Aspiration hazard, Category 1 ; H304	>= 90
cerium oxide isostearate	Index-No. : 607-497-00-9 CAS-No. : 346608-13-7 ELINCS No. : 419-760-3 Registration number: 01-0000016643-70-xxxx self classification	Chronic aquatic toxicity, Category 4 ; H413	< 10

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures****General advice**

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

In case of inhalation

- If inhaled, remove to fresh air.
- Consult a physician if necessary.

In case of skin contact

- Take off contaminated clothing and shoes immediately.

In case of eye contact

- Rinse with running water whilst keeping the eyes wide open (at least 15 minutes)

In case of ingestion

- Do NOT induce vomiting.
- Do not give anything to drink.
- Consult a physician if necessary.

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 Extinguishing media****Suitable extinguishing media**

- Foam
- powder
- Carbon dioxide (CO₂)

Unsuitable extinguishing media

- High volume water jet

5.2 Special hazards arising from the substance or mixture

- Combustible liquid.

5.3 Advice for firefighters**Special protective equipment for firefighters**

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

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

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- Remove all sources of ignition.
- Avoid contact with the skin and the eyes.
- Do not breathe vapour.
- Personal protective equipment
- Self-contained breathing apparatus (EN 133)
- Safety glasses
- Boots
- Complete suit protecting against chemicals
- Impervious gloves
- Nitriles
- Keep away from flames and hot surfaces.
- Wear suitable protective clothing.

6.2 Environmental precautions

- Prevent product from entering sewage system.
- Dam up.

6.3 Methods and materials for containment and cleaning up

Recovery

- Pump up the product into a spare container :- suitably labelled.
- Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
- Keep in suitable, closed containers for disposal.

Decontamination/cleaning

- Wash off with plenty of water.

Disposal

- Dispose of contents/ container to an approved incineration plant.

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.
- Provide adequate ventilation.
- Use with local exhaust ventilation.

Hygiene measures

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

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

- Keep in a cool, well-ventilated place.
- Store away from heat.
- Keep away from open flames, hot surfaces and sources of ignition.
- Keep away from incompatible materials to be indicated by the manufacturer
- Keep away from: Acids, Alkalis and caustic products., Reducing materials.

Packaging material**Suitable material**

- Stainless steel
- Teflon (R)
- Hydrocarbon resistant materials.

Unsuitable material

- rubbers.

7.3 Specific end use(s)

- no data available

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

- Contains no substances with occupational exposure limit values.

8.2 Exposure controls**Individual protection measures****Respiratory protection**

- Use a respirator with an approved filter if a risk assessment indicates this is necessary.

Hand protection

- Where there is a risk of contact with hands, use appropriate gloves
- Nitriles
- The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
- Gloves must be inspected prior to use.

Eye protection

- Safety glasses

Skin and body protection

- Full protective suit
- Remove and wash contaminated clothing.

Hygiene measures

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

Environmental exposure controls

- Prevent product from entering sewage system.
- Dam up.

SECTION 9: Physical and chemical properties
9.1 Information on basic physical and chemical properties

<u>Appearance</u>	<u>Physical state:</u> liquid <u>Colour:</u> brown
<u>Odour</u>	Hydrocarbons
<u>Odour Threshold</u>	no data available
<u>pH</u>	Not applicable insoluble product
<u>Melting point/freezing point</u>	no data available
<u>Initial boiling point and boiling range</u>	<u>Boiling point/boiling range:</u> 188 - 204 °C Not applicable
<u>Flash point</u>	> 62 °C Solvent
<u>Evaporation rate (Butylacetate = 1)</u>	no data available
<u>Flammability (solid, gas)</u>	no data available
<u>Flammability (liquids)</u>	no data available
<u>Flammability/Explosive limit</u>	<u>Lower flammability/explosion limit:</u> no data available <u>Upper flammability/explosion limit:</u> no data available
<u>Auto-ignition temperature</u>	> 200 °C estimated > 200 °C Solvent 135 °C rare earth(s) compound(s)
<u>Vapour pressure</u>	47.5 hPa (38 °C)
<u>Vapour density</u>	> 1 (101 kPa) Solvent
<u>Density</u>	0.812 g/cm ³ (15 °C)
<u>Relative density</u>	no data available

Solubility

Water solubility:
 < 0.002 mg/l rare earth(s) compound(s)
 < 1 mg/l Solvent

Partition coefficient: n-octanol/water

Solubility in other solvents:
 common organic solvents : soluble
 log Pow: 4.57
 rare earth(s) compound(s)

Decomposition temperature

no data available

Viscosity

Viscosity, dynamic : no data available
Viscosity, kinematic : 1.806 mm²/s (25 °C)

Explosive properties

Not explosive
 Structure-activity relationship (SAR), Solvent

Not explosive
 rare earth(s) compound(s)

negative
 Mechanical sensitivity (friction)

negative
 Mechanical sensitivity (shock)

negative
 Thermal sensitivity

Method : EU Test Guideline A14

Oxidizing properties

Not considered as oxidizing, Structure-activity relationship (SAR), Solvent
 rare earth(s) compound(s), Non oxidizing material according to EC criteria

9.2 Other information**Oxidation/Reduction Potential**

no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

- no data available

10.2 Chemical stability

- Stable at room temperature.

10.3 Possibility of hazardous reactions

- no data available

10.4 Conditions to avoid

- no data available

10.5 Incompatible materials

- Strong bases
- Strong oxidizing agents
- Mineral acids.

10.6 Hazardous decomposition products

- no data available

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 harmful if swallowed
 According to the classification criteria for mixtures.
 Unpublished internal reports
 Unpublished reports

Acute inhalation toxicity

Effects of breathing high concentrations of vapour may include:

Symptoms: Headache
 Dizziness
 Lung irritation

Acute dermal toxicity

According to the data on the components
 Not classified as harmful by contact with skin
 According to the classification criteria for mixtures.
 Unpublished internal reports
 Unpublished reports

Acute toxicity (other routes of administration)

no data available

Skin corrosion/irritation

According to the data on the components
 Mild skin irritation
 Repeated exposure may cause skin dryness or cracking.
 According to the classification criteria for mixtures.
 Unpublished internal reports
 Unpublished reports

Serious eye damage/eye irritation

According to the data on the components
 Not classified as irritating to eyes
 According to the classification criteria for mixtures.
 Unpublished internal reports
 Unpublished reports

Respiratory or skin sensitisation

Inhalation
 no data available

Dermal
 According to the data on the components
 Not classified as sensitising by skin contact
 According to the classification criteria for mixtures.
 Unpublished internal reports
 Unpublished reports

Mutagenicity

Genotoxicity in vitro	No genotoxic potential was observed in tests performed on the components of the preparation Unpublished internal reports Unpublished reports
Genotoxicity in vivo	no data available
<u>Carcinogenicity</u>	no data available

Toxicity for reproduction and development

Toxicity to reproduction/Fertility	Tests done on the components of the preparation have not revealed reproductive effects Unpublished internal reports Unpublished reports
Developmental Toxicity/Teratogenicity	In the tests done on the components of the preparation No effect observed on development Unpublished internal reports Unpublished reports

STOT

STOT - single exposure	The substance or mixture is not classified as specific target organ toxicant, single exposure according to GHS criteria., internal evaluation
STOT - repeated exposure	The substance or mixture is not classified as specific target organ toxicant, repeated exposure according to GHS criteria., internal evaluation Oral According to the data on the components No adverse effect has been observed in chronic toxicity tests. Unpublished internal reports Unpublished reports Inhalation According to the data on the components No adverse effect has been observed in chronic toxicity tests. Unpublished internal reports Unpublished reports

Aspiration toxicity

According to the data on the components, May be fatal if swallowed and enters airways., According to the classification criteria for mixtures., Unpublished reports

SECTION 12: Ecological information**12.1 Toxicity****Aquatic Compartment****Acute toxicity to fish**

According to the data on the components
Not harmful to fish (LC/LL50 > 100 mg/L)
According to the classification criteria for mixtures.
Unpublished internal reports
Unpublished reports

Acute toxicity to daphnia and other aquatic invertebrates.	According to the data on the components Not harmful to aquatic invertebrates. (EC/EL50 > 100 mg/L) According to the classification criteria for mixtures. Unpublished internal reports Unpublished reports
Toxicity to aquatic plants	According to the data on the components Not harmful to algae (EC/EL50 > 100 mg/L) According to the classification criteria for mixtures. Unpublished internal reports Unpublished reports
Toxicity to microorganisms	The product itself has not been tested.
Chronic toxicity to fish	The product itself has not been tested.
Chronic toxicity to daphnia and other aquatic invertebrates.	According to the data on the components No adverse chronic effect observed up to and including the threshold of 1 mg/L. According to the classification criteria for mixtures. Unpublished internal reports Unpublished reports
Chronic Toxicity to aquatic plants	According to the data on the components No adverse chronic effect observed up to and including the threshold of 1 mg/L. According to the classification criteria for mixtures. Unpublished internal reports Unpublished reports
<u>Terrestrial Compartment</u>	
Toxicity to soil dwelling organisms	The product itself has not been tested.
Toxicity to terrestrial plants	The product itself has not been tested.
Toxicity to above ground organisms	The product itself has not been tested.

12.2 Persistence and degradability**Abiotic degradation****Stability in water**Hydrocarbons, C11-C13, isoalkanes,
<2% aromatics

Not applicable, Expert judgement

Physical- and photo-chemical elimination

no data available

Biodegradation

BiodegradabilityHydrocarbons, C11-C13, isoalkanes,
<2% aromatics

Ready biodegradability study:
 Method: OECD Test Guideline 301 F
 - 28 Days
 The 10 day time window criterion is not fulfilled.
 Inherently biodegradable.
 O2 consumption
 Inoculum: activated sludge
 By analogy
 Unpublished reports

cerium oxide isostearate

Ready biodegradability study:
 Method: OECD Test Guideline 301 B
 38 % - 29 d
 Not readily biodegradable.
 Unpublished internal reports

12.3 Bioaccumulative potential**Partition coefficient: n-octanol/water**

cerium oxide isostearate

Bioaccumulative potential
 Structure-activity relationship (SAR)

Bioconcentration factor (BCF)

no data available

12.4 Mobility in soil**Adsorption potential (Koc)**

cerium oxide isostearate

Koc: 6334.32
 Log Koc: 3.80
 Calculation method
 Unpublished internal reports

Known distribution to environmental compartments

Predicted distribution to environmental compartments

12.5 Results of PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).
 This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

12.6 Other adverse effects no data available

Ecotoxicity assessment

Acute aquatic toxicity

According to the data on the components
The product does not have any known adverse effects on the aquatic organisms tested
Unpublished internal reports
Unpublished reports

Chronic aquatic toxicity

According to the data on the components
Does not have any known long-term adverse effects on the aquatic organisms tested
Unpublished internal reports
Unpublished reports

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product Disposal

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

Advice on cleaning and disposal of packaging

- Carefully drain and then steam clean.
- May be reused following decontamination.
- Dispose of in accordance with local regulations.

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 transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

SECTION 15: Regulatory information

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

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- According to our knowledge, no specific regulatory information.

15.2 Chemical safety assessment

- no data available

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

- H304 May be fatal if swallowed and enters airways.
- H413 May cause long lasting harmful effects to aquatic life.

Further 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 a 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.