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

1.1 Product identifier

- Trade name EOLYS® 176 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 statements

Response

- 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-Iron

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	>= 75
Cerium Iron Oxide Isostearate	CAS-No. : 753480-32-9 ELINCS No. : 442-240-2 self classification	Not classified	< 25

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)

- For further information refer to section 8 "Exposure controls/personal protection".

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Keep away from flames and hot surfaces.
- Remove all sources of ignition.

- Avoid contact with the skin and the eyes.
- Do not breathe vapour.
- Self-contained breathing apparatus (EN 133)
- Safety glasses
- Boots
- Impervious gloves
- Nitriles

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, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in 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.
- Protect from moisture.
- Protect against light.

- 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.

Derived No Effect Level (DNEL) / Derived minimal effect level (DMEL)

Product name	Population	Route of exposure	Potential health effects	Exposure time	Value	Remarks
Cerium Iron Oxide Isostearate	Workers	Dermal, Inhalation	Systemic effects, Local effects	Acute		No DNEL derivation as no adverse effect was observed (qualitative approach).
	Workers	Dermal, Inhalation	Systemic effects, Local effects	Long term		No DNEL derivation as no adverse effect was observed (qualitative approach).
	General population	Dermal, Inhalation	Systemic effects, Local effects	Acute		No DNEL derivation as no adverse effect was observed (qualitative approach).
	General population	Dermal, Oral, Inhalation	Systemic effects	Long term		No DNEL derivation as no adverse effect was observed (qualitative approach).
	General population	Dermal, Inhalation	Local effects	Long term		No DNEL derivation as no adverse effect was observed (qualitative approach).

Predicted No Effect Concentration (PNEC)

Product name	Compartment	Value	Remarks
Cerium Iron Oxide Isostearate	Fresh water		No PNEC derivation as no adverse effect was observed (qualitative approach).
	Intermittent use/release		No PNEC derivation as no adverse effect was observed (qualitative approach).
	Marine water		No PNEC derivation as no adverse effect was observed (qualitative approach).
	Fresh water sediment		No PNEC derivation as no or insufficient data were available at present.
	Marine sediment		No PNEC derivation as no or insufficient data were available at present.
	Soil		No PNEC derivation as no adverse effect was observed (qualitative approach).

	STP		No PNEC derivation as no adverse effect was observed (qualitative approach).
	Oral (secondary poisoning)		No PNEC derivation as there is no potential for bioaccumulation.

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

Appearance	Physical state: liquid Colour: brown
Odour	Hydrocarbons
Odour Threshold	no data available
pH	Not applicable insoluble product
Melting point/freezing point	no data available
Initial boiling point and boiling range	Boiling point/boiling range: 185 - 213 °C Solvent
Flash point	> 62 °C Solvent
Evaporation rate (Butylacetate = 1)	no data available

Flammability (solid, gas)	no data available
Flammability (liquids)	no data available
Flammability/Explosive limit	no data available
Auto-ignition temperature	> 200 °C Solvent 152 - 208 °C rare earth(s) compound(s) > 200 °C estimated
Vapour pressure	2 hPa (30 °C) Solvent negligible, rare earth(s) compound(s)
Vapour density	> 1 (101 kPa) Solvent
Density	0.847 g/cm3 (20 °C)
Relative density	no data available
Solubility	Water solubility: < 1 mg/l Solvent 0.011 mg/l rare earth(s) compound(s)
Partition coefficient: n-octanol/water	Solubility in other solvents: common organic solvents : soluble log Pow: > 6 Solvent, Structure-activity relationship (SAR) log Pow: 1.11 - 3.35 rare earth(s) compound(s)
Decomposition temperature	no data available
Viscosity	Viscosity, kinematic : ca. 2.4 - 2.8 mm2/s (25 °C)
Explosive properties	no data available
Oxidizing properties	No information available.

9.2 Other information

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: Dizziness Lung irritation According to the data on the components Unpublished internal reports
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 Not irritating to rabbits on cutaneous application. 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 This information is not available. Dermal According to the data on the components Does not cause skin sensitisation. Method: OECD Test Guideline 406 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	Data available only for some components. In vivo micronucleus testnegative Unpublished reports Data available only for some components. Rodent dominant Lethal testnegative Unpublished reports
Carcinogenicity	no data available

Toxicity for reproduction and development

Toxicity to reproduction/Fertility	According to the data on the components Fertility and developmental toxicity tests did not reveal any effect on reproduction. Unpublished internal reports Unpublished reports
Developmental Toxicity/Teratogenicity	According to the data on the components 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 According to the data on the components Oral According to the classification criteria for mixtures. No adverse effect has been observed in toxicity tests by repeated administration Unpublished internal reports Unpublished reports According to the data on the components Inhalation According to the classification criteria for mixtures.

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, 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	The product itself has not been tested.
Acute toxicity to daphnia and other aquatic invertebrates.	The product itself has not been tested.
Toxicity to aquatic plants	The product itself has not been tested.
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.	The product itself has not been tested.
Chronic Toxicity to aquatic plants	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

Terrestrial Compartment

Toxicity to soil dwelling organisms	The product itself has not been tested.
Toxicity to terrestrial plants	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

Biodegradability

Hydrocarbons, 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 Iron Oxide Isostearate	Ready biodegradability study: Method: OECD Test Guideline 301 B 22.18 % - 28 Days The 10 day time window criterion is not fulfilled. The substance does not fulfill the criteria for ready biodegradability and ultimate aerobic biodegradability Theoretical carbon dioxide production Inoculum: activated sludge Conc. in standard unit mg/l: 22.7 mg/l Unpublished internal reports

Degradability assessment

Cerium Iron Oxide Isostearate	The product is not considered to be rapidly degradable in the environment

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water

Cerium Iron Oxide Isostearate	Not potentially bioaccumulable Unpublished internal reports

Bioconcentration factor (BCF) no data available

12.4 Mobility in soil

Adsorption potential (Koc)

Cerium Iron Oxide Isostearate	Adsorption/Soil Log Koc: 1 - 2.81 Structure-activity relationship (SAR) 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
This product has no known ecotoxicological effects.
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

- 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.

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.