Safety Data Sheet

(according to Commission Regulation No. 830/2015/EC)

Date of elaboration: 17.07.2019
Date of revision: -

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1.Identification of product
IUPAC/ international chemical name -
Trade name: **Eco 91 ANTI-CORROSIVE LIQUID (Tariff No. 2710 1991)**
CAS: -
EINECS/ELINCS: -
1.2 Identified use : Industrial use: is designed for anti-corrosive purposes
Professional use: is designed for anti-corrosive purposes
Uses advised against: -

1.3 Supplier (producer): **FENIKS OIL ENERGY DOOEL. Negotino**
Address: Ul. Industriska Nr.1
City: Negotino
State: Republic of North Macedonia
Phone: +38971333888
Fax: -
E-mail: fenix.oil.energy@gmail.com
1.4 Emergency number:

SECTION 2. HAZARD IDENTIFICATION

2.1 Classification of substance according to the EP and Council Regulation No.1272/2008 CLP
GHS07,08,09 Danger
Asp. Tox. 1, H304
Acute Tox. 4 , H332
Skin Irrit. 2, H315
Carc.2, H351
STOT RE 2, H373
Aquatic Chronic 2, H411

2.2 Label elements
Symbol

Signal word Danger
Hazard statement
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H351 Suspected of causing cancer
H373 May cause damage to organs through prolonged or repeated exposure
H411 Toxic to aquatic life with long lasting effects.

Precautionary statement
P102 Keep out of reach of children.
P103 Read label before use.
P261 Avoid breathing vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves / protective clothing.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor
P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P501 Dispose of contents/container in accordance with current regional legislation as dangerous waste.

2.3 Other hazards
Contains:
Gasoil – unspecified
Distillates (petroleum), hydrotreated light
Lubricating oils (petroleum), hydrotreated spent

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Gasoil - unspecified	Distillates (petroleum), hydrotreated light
Concentration	< 89 %	
CAS	68334-30-5	64742-47-8
EC	269-822-7	265-149-8
Registration number		
Classification	GHS02,07,08,09 Flam. Liq. 3 Asp. Tox. 1 Acute Tox. 4 Skin Irrit. 2 Carc.2 STOT RE 2 Aqua. Chronic 2	GHS08 Asp. Tox. 1
H-statements	H226 H304 H315 H332 H351 H373 H411	H304
Signal word	Danger	Danger
Occupational exposure limit	-	-
PBT/vPvB	-	-
Other	-	-

Table continue:

Component	Lubricating oils (petroleum), hydrotreated spent	Distillates (petroleum), hydrotreated light paraffinic	Lubricating oils (petroleum), C15-30, hydro-treated neutral oil-based	Lubricating oils (petroleum), C_{20-50}, hydro- treated neutral oil-based
Concentration	< 40 %			
CAS	64742-58-1	64742-55-8	72623-86-0	72623-87-1
EC	265-161-3	265-158-7	276-737-9	276-738-4
Registration number				
Classification	GHS08 Asp. Tox. 1	-	-	-
H-statements	H304	-	-	-
Signal word	Danger	-	-	-
Occupational exposure limit	-	-	-	-
PBT/vPvB	-	-	-	-
Other	-	*DMSO extract: < 3%*	*DMSO extract: < 3%*	*DMSO extract: < 3%*

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Move victim to fresh air. If difficulties persists, contact doctor.

Eyes Wash eyes with plenty of water. If irritation persists, contact doctor.

Skin Remove contaminated clothing. Wash the skin with water and soap.

Ingestion **Never induce vomiting!** In case of ingestion immediately contact doctor.

4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways. Causes skin irritation.
Harmful if inhaled. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure (thymus, liver).
Inhalation may lead to irritation of the respiratory tract. Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness. If the product enters in airways/lungs may cause pneumonia and pulmonary oedema.
In case of accidental ingestion may cause serious health problems.

4.3 Indication of any immediate medical attention and special treatment needed

In case of difficulties after incidental ingestion or in case of any above mentioned difficulties immediately contact doctor.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media	**suitable**	CO2, powder, foam
	not to be used	water in full jet
5.2 Special hazards arising from the substance or mixture	Hazardous decomposition products may form (carbon oxides and thick smoke). Vapours may form explosive mixture with air.	
5.3 Advice for fire fighters	Use self-contained breathing apparatus. Wear protective clothing. Remove container rapidly out of reach of fire or cool it.	

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Avoid prolonged contact with skin and eyes. Wear suitable personal protection. Ensure adequate ventilation. Do not eat, drink and smoke! Remove sources of fire. Avoid access of unprotected and not informed persons.
Thermal hazard:	Combustible liquid. Vapours may form explosive mixture with air.
6.2 Environmental precautions	Avoid release of product in to the waters, watercourses and water sources as well as to the sewerage. If this happens, inform the responsible authorities.
6.3 Methods and material for containment and cleaning up	Stop leak without risk if possible. Pick up with not combustible absorbent materials (sand, earth) and take for disposal in closed, labelled containers.
6.4 Reference to other sections	Personal protection: section 8 Waste disposal: section 13

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling	Ensure ventilation of closed rooms. Avoid breathing vapours/spray. ensure adequate ventilation on workplace. Avoid contact with skin. Wear protective gloves. Keep safety and hygienic regulations for work with chemicals. Do not eat, drink or fume. Remove sources of fire. Take action to prevent static discharges. Vapours may form explosive mixture with air.
7.2 Conditions for safe storage, including any incompatibilities	Storage in original, tightly closed container in cool, dry, well ventilated room. Protect from sources of heat and naked flames and direct sunlight. Do not smoke. Do not store with incompatible materials. (see section 10.)
7.3 Specific end use(s)	Lubrication

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters (OEL)	No	
DNEL workers	**Gasoil - unspecified**:* inhalation (long-term, systemic effect): 68,3 mg/m³ inhalation (short-term, systemic effect): 102,7 mg/m³ dermal (long-term, systemic effect): 2,9 mg/kg bw/day dermal (short-term, systemic effect): 111,11 mg/kg bw/day	
DNEL population	Data not relevant	
8.2 Exposure controls	**Eye/face protection:**	protective glasses (EN 166)
	Hand/skin protection:	protective gloves (EN 374) PVC, nitrile rubber, thickness :0,33mm, penetration time: > 480min
	Respiratory protection:	respirator (filter against organic vapours – P3)
Environmental exposure controls (PNEC)	**Gasoil - unspecified**:* Sweet water: 21 µg/l	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Color	yellow to brown
Odour	characteristic (petroleum odour)
Odour treshold	data not available
pH	data not available
Melting point/freezing point [°C]	data not available
Initial boiling point and boiling range [°C]	160 - 400
Flash point [°C]	> 60
Evaporation rate	data not available
Flammability	data not available
Auto-ignition temperature [°C]	> 220

Decomposition temperature [°C]	data not available
Lower explosive limit	data not available
Upper explosive limit	data not available
Oxidation properties	data not available
Vapour pressure [hPa]	data not available
Vapour density	data not available
Relative density [g.cm-3]	0,830 – 0,890 (15°C)
Solubility (water)	not soluble
Solubility (solvents) [g.l-1]	hydrocarbons, alcohols, ethers, chloroform
Partition coefficient: n-octanol/water	data not available
Viscosity	Kinematic: < 4mm^2/s/50°C
9.2 Other information	-

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity	data not available
10.2 Chemical stability	stable under proposed conditions of use and storage
10.3 Possibility of hazardous reactions	data not available
10.4 Conditions to avoid	high temperature, sources of burning, sparks, open flame
10.5 Incompatible materials	strong oxidisers
10.6 Hazardous decomposition products	In case of fire: see section 5

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 information on toxicological effects

Acute toxicity	**Oral**	data not available
LD_{50}/LC_{50}	**Dermal**	data not available
	Inhalation	Harmful if inhaled. (*calculation based on composition: ATEmix: cca 6 mg/l)* *Gasoil - unspecified:4,6 mg/l/4 hour/rat**
Skin corrosion/irritation		Causes skin irritation. (*calculation)*
Eye damage/irritation		Causes serious eye damage. (*calculation)*
Sensitisation	**Skin**	data not available
	Respiratory system	data not available
Mutagenity		no evidence
Carcinogenity		Suspected of causing cancer. (*calculation)*
Reproduction toxicity		no evidence
STOT SE		data not available
STOT RE		May cause damage to organs through prolonged or repeated exposure: thymus, liver. (*calculation)*
Aspiration toxicity		May be fatal if swallowed and enters airways. (*calculation)*

SECTION 12. ECOLOGICAL INFORMATION

12.1 Aquatic toxicity	Toxic to aquatic life with long lasting effects. (*calculation)*
12.2 Persistence and degradability	data not available
12.3 Bioaccumulative potential	data not available
12.4 Mobility in soil	data not available
12.5 PBT a vPvB	data not available
12.6 Other adverse effects	-

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste, contaminated absorbent material and contaminated packaging dispose in accordance with current regional legislation as dangerous waste (incineration plant).
European Waste Cataloque Number: 13 07 01
Contaminated packaging dispose as dangerous waste.

SECTION 14. TRANSPORT INFORMATION

ADR/RID

14.1 UN number	3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3 Transport hazard class (es)	9.M6
14.4 Packing group	III
14.5 Environmental hazards	Toxic to aquatic life with long lasting effects.
14.6 Special precautions for user	Safety label: 9

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Regulation No 1907/2006 of EP and Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency
Regulation No 1272/2008 of EP and Council on classification, labelling and packaging of substances and mixtures
Commission Regulation 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
Commission Directive 2000/39/EC on occupational exposure limit (OEL).

Restriction according to Commission Regulation No 552/2009 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards on Annex XVII: none
Candidate list substances (according to Annex XIV of EP and Council Regulation 1907/2006 REACH: none

15.2 Chemical safety assessment: not assessed

SECTION 16. OTHER INFORMATION

Revision: -

Wording of H-statements from section 3:
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H351 Suspected of causing cancer
H373 May cause damage to organs
H411 Toxic to aquatic life with long lasting effects.
Hazard classes:
Flam. Liq.: flammable liquid
Acute Tox.: acute toxicity
Asp. Tox.: aspiration toxicity
Skin Irrit.: skin irritation
Carc.: carcinogenicity
STOT SE: specific target organ toxicity, single exposition
STOT RE: specific target organ toxicity, repeated exposition
Aquatic Chronic : chronic toxicity to aquatic life

**) data according to ECHA*

Abbreviations:
OEL – Occupational exposure limit
DNEL – Derived no effect level
PNEC – Predicted no effect concentration

Requirements for packaging in case of selling to the general public:
child-resistant fastenings
tactile warning