



## SAFETY DATA SHEET

according to Commission Regulation (EC) No 1907/2006,  
Article 31, Annex II as amended

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Version / Revision: 1/-

Date: 20.06.2022.

Date of previous issue: -

### G-ENERGY X HYDRO HVLP-32

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

### 1.1. Product identifier

Product name: **G-Energy X Hydro HVLP-32**

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

#### Recommended use of substance/mixture:

Hydraulic oil.

#### Uses advised against:

Should not be used for any purposes other than the recommended.

### 1.3. Details of the supplier of the safety data sheet

Lubricants Balkans Ltd.  
Vladimira Popovica 38-40, 11000 Belgrade, Serbia  
tel: + 381 (0) 11 205 8656 (8-16h)  
e-mail: [office@lubricants.rs](mailto:office@lubricants.rs)

### 1.4. Emergency telephone number

1-760-476-3962 (America)  
1-760-476-3961 (Europe, Middle East&Africa)  
1-760-476-3960 (Asia Pacific)  
Global Response Access Code: 333497

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

According to Regulation (EC) 1272/2008:

Not classified.

**G-ENERGY X HYDRO HVLP-32****2.2. Label elements****Hazard pictograms:**

Not applicable.

**Signal word:**

Not applicable.

**Hazard statements:**

Not applicable.

**Additional statements:**

EUH210 - Safety Data Sheet available on request.

**Precautionary statements:**

Not applicable.

**Supplemental label information:**

Not applicable.

**2.3 Other hazards**

The substance/mixture contains no components considered to be PBT/vPvB at levels of 0.1% or higher.

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Information on ingredients of the substance**

Not applicable, the product is a mixture.

**3.2. Information on ingredients of the mixture**

Index No CAS No EC No	REACH Registration No	Name	CLP/GHS <sup>1</sup>	Concentration range w/w %
649-474-00-6 64742-65-0 265-169-7	01-2119471299-27	Distillates (petroleum), solvent-dewaxed heavy paraffinic	Not classified	50 - 100
649-469-00-9 64742-56-9 265-159-2	01-2119480132-48	Distillates (petroleum), solvent-dewaxed light paraffinic	Asp. Tox. 1, H304	0 - 50
649-484-00-0 74869-22-0 278-012-2	01-2119495601-36	Lubricating oils	Not classified	0 - 50
649-471-00-X 64742-62-7 265-166-0	01-2119480472-38	Residual oils (petroleum), solvent-dewaxed	Not classified	0 - 10

<sup>1</sup>Regulation (EC) 1272/2008

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- 104-76-7 203-234-3	UK-01-2180099932-4	2-Ethylhexan-1-ol	Acute Tox. 4, H332 Skin Irrit. 2, H315 STOT SE 3, H335 Eye Irrit. 2, H319	≤ 0.03
607-096-00-9 108-31-6 203-571-6	UK-01-3403519668-1	Maleic anhydride	Acute Tox. 4, H302 STOT RE 1, H372 Skin Corr. 1B, H314 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1A, H317	< 0.001

Distillates (petroleum), solvent-dewaxed heavy paraffinic and Distillates (petroleum), solvent-dewaxed light paraffinic and Lubricating oils and Residual oils (petroleum), solvent-dewaxed are not classified as cancerogenic substances as it can be shown that they contains < 3% of polycyclic aromatics (PCA) measured by extraction dimethylsulfoxide (DMSO) by test method IP 346 (Note L, Annex VI of Regulation (EC) 1272/2008).

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**
**Inhaled:**

Move casualty away from source of exposure. Provide fresh air. If symptoms persist, call a physician. If breathing heavily, irregularly, or not breathing, give artificial respiration (only by skilled, qualified personnel). Make sure respiratory tract passages are free of obstacles at every moment. Seek medical attention promptly.

**Skin contact:**

Remove contaminated clothing and shoes. Wash place of contact with mild soap and water. If skin irritation or rash occurs, get medical advice. Wash contaminated clothing before reuse. In case of contact with hot products, run cool water over burned area. Do not try to remove by force parts of clothes which get stuck to the exposed person's skin as a consequence of contact with hot products. In this situation, one should seek medical attention.

**Eye contact:**

Immediately rinse eyes with plenty of running water. When rinsing eyes, hold eyelid apart from eyeball to ensure a thorough rinsing (by forcibly holding the eye wide open with hands). Remove contact lenses, if any, and continue rinsing the eyes for at least 15 minutes. If irritation occurs, consult a physician. Chemical burns must be treated promptly by a physician.

**Swallowed:**

Get medical attention promptly. Do not wait for the symptoms to occur. Do not induce vomiting, the product contains petroleum distillates which are harmful if swallowed and enters airways. If vomiting occurs, head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person.

**4.2. Most important symptoms and effects, both acute and delayed**
**Inhaled:**

It is unlikely adverse effects will occur if the substance is inhaled at a normal temperature and pressure. When heated evaporates. If inhaled high vapour concentration leads to irritations of the respiratory system, including nose and throat irritation.

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**Skin contact:**

No irritation expected. Contact with heated material leads to chemical burns.

**Eye contact:**

No irritation expected. Contact with heated material leads to chemical burns.

**Swallowed:**

Symptoms are not likely to occur if ingested in small quantities. If large quantities are ingested, nausea, abdominal pain, vomiting will occur.

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

The treatment should be carried out based on symptoms present and the patient's clinical state.

**SECTION 5. FIREFIGHTING MEASURES**

**5.1 Extinguishing media**

**Suitable extinguishing media:**

In case of a small, initial fire, use dry chemical powder, sand, soil or carbon-oxide. In case of a large fire, use water mist/spray (only by trained personnel) or foam (only by trained personnel).

**Unsuitable extinguishing media:**

Direct water jet, as it may spread the fire. Avoid simultaneous use of water and foam on the same surface because water will destroy foam.

**5.2. Special hazards arising from the substance or mixture**

This product is not classified as flammable. If the burning process is initiated, the product may start burning, whereat a complex mixture of unidentified organic and inorganic compounds and gases may form, such as carbon dioxide and carbon monoxide.

**5.3 Advice for fire-fighters**

Evacuate people from by fire covered area. Product which is not on fire should be moved to a safe zone, if minimum risk is involved. Use water spray to cool unopened containers which were on fire in the hazard zone. Do not allow water used to cool container to enter drains, surface water and groundwater, or soil. Collect and dispose of it in accordance with the applicable local regulations. The fire-fighters should wear the complete personal protective equipment, including the self-contained breathing apparatus with a whole-face mask functioning on the principle of positive-pressure (SCBA).

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

Evacuate people from accident zone. Avoid direct contact with skin and eyes. Do not inhale oil mist. Use adequate personal protective clothing and equipment (refer to Section 8). If spilt it makes the surface slippery. Be careful not to step in the spillage. Remove all sources of ignition and sparking. Smoking is forbidden.

**G-ENERGY X HYDRO HVLP-32****6.2 Environmental precautions**

Avoid spreading of spillage, run off and contact with soil, waterways, drains and sewers. Inform the competent authorities in case of contamination of environment (soil, waterways or sewers).

**6.3 Methods and materials for containment and cleaning up**

In the cleaning process, do not use sparking tools and equipment. Remove all sources of ignition from the spillage zone. Prevent spreading and run off product by constructing sand and soil barriers. In case of large spillage, collect it using pumps and dispose of it into containers intended for waste disposal. In case of small leaks, use soil or some other inert, non-combustible absorbent material to collect spillage. Put the collected spillage into closed containers intended for further disposal. Disposal should be carried out by an authorized operator. In case of small leaks in closed water systems, prevent spreading by floating barriers or similar equipment, and collect it using specific floating absorbents.

**6.4. Reference to other sections**

Follow instructions under Section 8 related to personal protection and waste treatment and disposal instructions under section 13.

**SECTION 7. HANDLING AND STORAGE****7.1 Precautions for safe handling**

In the process of handling, avoid direct skin and eye contact. Use adequate personal protective equipment (for further information, refer to section 8.2). Store and use away from open flame, sparks, heat and other ignition sources. During handling, do not use sparking tools and equipment. Avoid static electricity discharge. Loading should be performed exclusively at prescribed places and into adequate tanks, using functional equipment and devices, by professionally trained and experienced personnel. After finishing the activity, keep in tightly closed containers. Obey occupational safety, fire protection and general hygiene measures. Do not eat, drink, or smoke during handling. Before breaks and after finishing the work, wash the hands thoroughly. Before entering a food service area, take off the contaminated clothing and protective equipment.

**7.2 Conditions for safe storage, including any incompatibilities**

Store the product in a dry, cold, well ventilated place, protected from direct weather effects. Keep in original, undamaged, closed and labelled packaging. Avoid exposure to direct sunlight, heat sources, open flames, sparks and other sources of ignition. Weather conditions may damage the label on the packaging. Store away from incompatible materials (refer to section 10.5.). Keep away from food, drink and animal feed. The plugs of packaging must be tightly closed. Before removing the plugs, dry the upper surface of the barrel and clean it of all contaminants that could get into the product. The recommended storage temperature: 0 – 40°C.

**7.3 Specific end uses**

The identified uses of this product are detailed in sub-section 1.2

**G-ENERGY X HYDRO HVLP-32**
**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**8.1 Control parameters**

Exposure limit value for mineral oil:

EU OELs: TWA: 5 mg/m<sup>3</sup>

Bulgaria: TWA: 5 mg/m<sup>3</sup>

Czech Republic: TWA: 5 mg/m<sup>3</sup>

Greece: TWA: 5 mg/m<sup>3</sup>

Hungary: TWA: 5 mg/m<sup>3</sup>

Romania: TWA: 5 mg/m<sup>3</sup>

Slovakia: TWA: 5 mg/m<sup>3</sup>

Index No CAS No EC No	Name	Workplace exposure limit <sup>2</sup>			
		Long-term exposure limit (8-hour TWA reference period)		Short-time exposure limit (15-minute reference period)	
		mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm
- 104-76-7 203-234-3	2-Ethylhexan-1-ol	5.4	1	-	-
607-096-00-9 108-31-6 203-571-6	Maleic anhydride	1	-	3	-

CAS No: 74869-22-0

**Lubricating oils**
**DNEL**

Inhalation	Long - term exposure -local effects	5.4 mg/m <sup>3</sup> (workers)
	Long - term exposure -local effects	1.2 mg/m <sup>3</sup> (general population)

CAS No: 104-76-7

**2-Ethylhexan-1-ol**
**DNEL**

Oral	Long - term exposure - systemic effects	1.1 mg/kg (general population) repeated dose toxicity
Inhalation	Short - term exposure - local effects	53.2 mg/m <sup>3</sup> (workers) irritation respiratory tract
	Short - term exposure - local effects	26.6 mg/m <sup>3</sup> (general population) irritation respiratory tract
	Long - term exposure - systemic effects	12.8 mg/m <sup>3</sup> (workers) repeated dose toxicity
	Long - term exposure - local effects	26.6 mg/m <sup>3</sup> (general population) irritation respiratory tract
	Long - term exposure - systemic effects	2.3 mg/m <sup>3</sup> (general population) repeated dose toxicity
	Long - term exposure - local effects	53.2 mg/m <sup>3</sup> (workers) irritation respiratory tract

<sup>2</sup> As given in EH40/2005 Workplace exposure limits, List of approved workplace exposure limits

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Dermal	Long - term exposure - systemic effects	11.4 mg/kg (general population) repeated dose toxicity
	Long - term exposure - systemic effects	23 mg/kg (workers) repeated dose toxicity
<b>PNEC</b>		
STP		10 mg/l
Water		0.017 mg/l (fresh water)
		0.002 mg/l (marine water)
Sediment		0.284 mg/kg (fresh water)
		0.028 mg/kg (marine water)
Soil		0.047 mg/kg
Oral		55 mg/kg

CAS No: 108-31-6

**Maleic anhydride**

#### **DNEL**

Oral	Long - term exposure - systemic effects	0.06 mg/kg (general population) effect on fertility
	Short - term exposure - systemic effects	0.1 mg/kg (general population) repeated dose toxicity
Inhalation	Long - term exposure - systemic effects	0.05 mg/m <sup>3</sup> (general population) repeated dose toxicity
	Long - term exposure - local effects	0.08 mg/m <sup>3</sup> (general population) repeated dose toxicity
	Short - term exposure - local effects	0.2 mg/m <sup>3</sup> (workers) irritation respiratory tract
	Short - term exposure - systemic effects	0.2 mg/m <sup>3</sup> (workers) irritation respiratory tract
	Long - term exposure - local effects	0.32 mg/m <sup>3</sup> (workers) repeated dose toxicity
	Long - term exposure - systemic effects	0.081 mg/m <sup>3</sup> (workers) irritation respiratory tract
	Long - term exposure - systemic effects	0.19 mg/m <sup>3</sup> (workers) repeated dose toxicity
	Long - term exposure - local effects	0.081 mg/m <sup>3</sup> (workers) irritation respiratory tract
	Short - term exposure - systemic effects	0.95 mg/m <sup>3</sup> (workers) repeated dose toxicity
Dermal	Long - term exposure - systemic effects	0.1 mg/kg (general population) repeated dose toxicity
	Long - term exposure - systemic effects	0.2 mg/kg (workers) repeated dose toxicity
	Short - term exposure - systemic effects	0.1 mg/kg (general population) repeated dose toxicity
	Short - term exposure - systemic effects	0.2 mg/kg (workers) repeated dose toxicity
<b>PNEC</b>		
STP		4.46 - 44.6 mg/l
Water		0.075 - 0.1 mg/l (fresh water)

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	0.007 - 0.01 mg/l (marine water)
Sediment	0.06 - 0.334 mg/kg (fresh water) 0.006 - 0.033 mg/kg (marine water)
Soil	0.01 - 0.042 mg/kg
Oral	6.67 mg/kg

**8.2. Exposure controls/personal protection**
**Engineering measures:**

Mechanical ventilation and local exhaust systems.

**Hygiene measures:**

Wash hands, forearms, and face thoroughly when finished working with product, before eating, drinking, smoking, or going to toilet. Wash contaminated clothing before reuse.

**Personal protection measures:**
**Respiratory protection:**

To prevent irritation of respiratory system, avoid inhalation of vapours. If it is not possible to assess the exposure level reliably or there is a risk of reduced supply of oxygen, use the self-contained breathing apparatus (SCBA). Selection of respiratory protective equipment should be made in accordance with the specific activities, level of exposure and anticipated exposure period.

**Eye/face protection:**

Wear tightly fitting safety goggles providing adequate protection against sprays of liquid product in the eyes (EN 166).

**Hand protection:**

Wear gloves resistant to chemicals (EN 374). The gloves should be periodically inspected and replaced in case of wear and tear, perforation or contamination.

**Body protection:**

Wear antistatic protective clothing - long sleeve shirts and long trousers. Wear antistatic shoes resistant to chemicals, thermally insulated, if required, according to the EN 340.

**Environmental exposure controls:**

Apply adequate control measures to prevent contact with environment.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**
**9.1 Information on basic physical and chemical properties**

Appearance - physical state - color	liquid brown
Odour	petroleum distillate
Odour threshold	not determined
pH	not determined
Melting point/freezing point	not applicable, see point 9.2
Boiling point/boiling range	not determined
Flash point	≥ 180°C, typ. 224°C (EN ISO 2592)
Evaporation rate	not determined
Flammability (solid, gas)	not applicable (product is viscous liquid)
Upper/lower ignition or explosion limit	not determined



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Vapour pressure	not determined
Vapour density	not determined
Relative density	875 kg/m <sup>3</sup> at 15°C (ASTM D4052)
Solubility	not soluble in water
Partition coefficient: n-octanol/water	not available
Autoignition temperature	not determined
Thermal decomposition	not determined
Viscosity	46 mm <sup>2</sup> /s at 40°C (ISO 3104) 7.8 mm <sup>2</sup> /s at 100°C (ISO 3104)
Explosive properties	not explosive
Oxidizing properties	not oxidizing

**9.2. Other information**

Pour point: ≤ -36°C (ISO 3016)

**SECTION 10. STABILITY AND REACTIVITY****10.1. Reactivity**

No reactivity hazard is expected under recommended handling and storage conditions.

**10.2 Chemical stability**

Stable under recommended handling and storage conditions.

**10.3 Possibility of hazardous reactions**

Hazard reactions will not occur under recommended handling and storage conditions.

**10.4. Conditions to avoid**

Avoid exposure to high temperatures, open flame, sparks, and other ignition sources, storing with incompatible substances.

**10.5. Incompatible materials**

Strong oxidizing agents.

**10.6 Hazardous decomposition products**

Under regular and recommended conditions or storing and use, the product will not decompose and form hazardous products. In the combustion process, a complex mixture of unidentified organic and inorganic compounds and gases may be formed, such as carbon dioxide and carbon monoxide.

**G-ENERGY X HYDRO HVLP-32**
**SECTION 11. TOXICOLOGICAL INFORMATION**
**11.1. Information on toxicological effects**
**Acute toxicity:**

Based on available data, the classification criteria are not met. Acute toxicity of substances contained in the mixture is given in the table below.

Index No CAS No EC No	Name	Acute toxicity
649-474-00-6 64742-65-0 265-169-7	Distillates (petroleum), solvent-dewaxed heavy paraffinic	LD50 > 5000 mg/kg/bw (rat, oral) LC50/4h > 5.53 mg/l (rat, inhalation) LD50 > 2000 mg/kg/bw (rabbit, dermal)
649-469-00-9 64742-56-9 265-159-2	Distillates (petroleum), solvent-dewaxed light paraffinic	LD50 > 5000 mg/kg/bw (rat, oral) LC50/4h > 5.53 mg/l (rat, inhalation) LD50 > 2000 mg/kg/bw (rabbit, dermal)
649-484-00-0 74869-22-0 278-012-2	Lubricating oils	LD50 > 5000 mg/kg/bw (rat, oral) LC50/4h > 5000 mg/m <sup>3</sup> (rat, inhalation) LD50 > 2000 mg/kg/bw (rabbit, dermal)
649-471-00-X 64742-62-7 265-166-0	Residual oils (petroleum), solvent-dewaxed	LD50 > 5000 mg/kg/bw (rat, oral) LC50/4h > 5.53 mg/l (rat, inhalation) LD50 > 2000 mg/kg/bw (rabbit, dermal)

**Repeated dose toxicity:**

Index No CAS No EC No	Name	Repeated dose toxicity
649-484-00-0 74869-22-0 278-012-2	Lubricating oils	NOAEL/28 days > 220 mg/m <sup>3</sup> (rat, inhalation, sub-chronic, local effect) NOAEL/28 days > 980 mg/m <sup>3</sup> (rat, inhalation, sub-chronic, systemic effect) NOAEL/28 days 1000 mg/kg (rabbit, dermal, sub-chronic) NOAEL/90 days > 2000 mg/kg (rat, dermal, sub-chronic) NOAEL/90 days < 30 mg/kg (rat, dermal, sub-chronic)

**Skin corrosion/irritation:**

Based on available data the classification criteria are not met.

**Serious eye damage/irritation:**

Based on available data the classification criteria are not met.

**Respiratory or skin sensitization:**

Based on available data the classification criteria are not met.

**Germinative cells mutagenicity:**

Based on available data the classification criteria are not met.

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**Carcinogenicity:**

Based on available data, the classification criteria are not met. Distillates (petroleum) / Lubricating oils / Residual oils (petroleum) contained in product have < 3% DMSO extract according to IP 346 test method, due to which they are not classified as carcinogenic.

**Reproductive toxicity:**

Based on available data the classification criteria are not met.

Index No CAS No EC No	Name	Toxicity to reproduction
649-484-00-0 74869-22-0 278-012-2	Lubricating oils	NOAEL pre-natal developmental toxicity study 30 mg/kg/day NOAEL developmental > 2000 mg/kg/day NOAEL two-generation reproductive study > 1000 mg/kg

**Specific target organ toxicity - single exposure:**

Based on available data the classification criteria are not met.

**Specific target organ toxicity - repeated exposure:**

Based on available data the classification criteria are not met.

**Aspiration hazard:**

Based on available data the classification criteria are not met.

**Possible exposure routes:**

Inhalation, peroral, dermal, and eye contact

**Symptoms related to physical, chemical, and toxicological properties:**

Characteristic symptoms resulting from exposure to the chemical are specified in section 4.2.

**Delayed and immediate effects, as well as acute effects as a result of short-term and long-term exposure:**

Prolonged or repeated exposure may cause mild temporary skin irritation, depending on the individual skin sensitivity.

**11.2. Information on other hazards**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SECTION 12. ECOTOXICOLOGICAL INFORMATION**
**12.1. Toxicity**

Based on available data the classification criteria are not met. The overview of ecotoxicological information related to the substances contained in the chemical are given in the table below.

Index No CAS No EC No	Name	Ecotoxicological information
649-474-00-6 64742-65-0 265-169-7	Distillates (petroleum), solvent-dewaxed heavy paraffinic	LC50 > 100 mg/l (fish 1) ErC50 > 100 mg/l (algae) EC50 > 100 mg/l (other aquatic organisms 1) NOEC > 1 mg/l (chronic crustacea)

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649-469-00-9 64742-56-9 265-159-2	Distillates (petroleum), solvent-dewaxed light paraffinic	LC50 ErC50 EC50 NOEC	> 100 mg/l (fish 1) > 100 mg/l (algae) > 100 mg/l (other aquatic organisms 1) > 1 mg/l (chronic crustacea)
649-484-00-0 74869-22-0 278-012-2	Lubricating oils	EL50/48h NOEL/72h LL50/96h NOEL(WAF)/21days NOEL/21days	> 10000 mg/l (Daphnia magna) > 100 mg/l (Pseudokirchneriella subcapitata) > 100 mg/l (Pimephales promelas) 10 mg/l (Daphnia magna) 10 mg/l (fish)
649-471-00-X 64742-62-7 265-166-0	Residual oils (petroleum), solvent-dewaxed	LC50 ErC50 EC50 NOEC	> 100 mg/l (fish 1) > 100 mg/l (algae) > 100 mg/l (other aquatic organisms 1) > 1 mg/l (chronic crustacea)
- 104-76-7 203-234-3	2-Ethylhexan-1-ol	LC50/96h LC50/96h EC50/48h EC50/72h EC50/0.1d EC50/0.5d	28.2 mg/l (Fathead Minnow) 17.1 mg/l (Golden Orfe) 39 mg/l (Daphnia magna) 16.6 mg/l (Scenedesmus quadricauda) 540 mg/l (Pseudomonas putida) > 100 mg/l (sludge)
607-096-00-9 108-31-6 203-571-6	Maleic anhydride	LC50/96h EC50/48h EC50/72h	75 mg/l (Rainbow Trout) 42.81 mg/l (Daphnia magna) 74.35 mg/l (Selenastrum capricornutum)

**12.2 Persistence and degradability**

No available mixture information. It is assessed as not readily biodegradable.

Index No CAS No EC No	Name	Test	Result
- 104-76-7 203-234-3	2-Ethylhexan-1-ol	OECD TG 302 B OECD TG 301 C	95%, after 5 days 100% after 14 days
607-096-00-9 108-31-6 203-571-6	Maleic anhydride	OECD TG 301 E OECD TG 302 B	> 90%, after 28 days 61% after 28 days

**12.3 Bioaccumulative potential**

No available mixture information.

Index No CAS No EC No	Name	Bioaccumulation Data
649-474-00-6 64742-65-0 265-169-7	Distillates (petroleum), solvent-dewaxed heavy paraffinic	Log Kow > 6 (literature data, potentially bioaccumulative)

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649-469-00-9 64742-56-9 265-159-2	Distillates (petroleum), solvent-dewaxed light paraffinic	Log Kow > 6 (literature data, potentially bioaccumulative)
649-471-00-X 64742-62-7 265-166-0	Residual oils (petroleum), solvent-dewaxed	Log Kow > 6 (literature data, potentially bioaccumulative)
- 104-76-7 203-234-3	2-Ethylhexan-1-ol	BCF: 25.35 (calculated) Log Kow: 2.9 (measured)
607-096-00-9 108-31-6 203-571-6	Maleic anhydride	Log Kow: -0.048 (read across)

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

The mixture contains no components considered to be PBT/vPvB at levels of 0.1% or higher.

**12.6. Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12.7. Other adverse effects**

No data available.

**SECTION 13. DISPOSAL CONSIDERATIONS**
**13.1. Waste treatment methods**
**Disposal of unused substance and contaminated packaging:**

Where possible avoid waste accumulation or reduce it to minimum. Dispose of unused product in compliance with applicable local regulations.

**Treatment of unused packaging:**

Treat and dispose of contaminated packaging in compliance with applicable local regulations.

Waste code: 13 01 10\* - mineral based non-chlorinated hydraulic oils (categorization of waste is the responsibility of users).



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#### SECTION 14. TRANSPORT INFORMATION

The product is not classified as dangerous in accordance with the regulations of dangerous goods transportation: ADR / RID / ADN / IMDG / IATA.

##### 14.1 UN number

Not applicable.

##### 14.2 Proper shipping name

Not applicable.

##### 14.3 Transport hazard class

Not applicable.

##### 14.4 Packing group

Not applicable.

##### 14.5 Environmental hazards

Not applicable.

##### 14.6 Special precautions for user

Not applicable.

##### 14.7 Transport in bulk

Not applicable.

#### SECTION 15. REGULATORY INFORMATION

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

**Commission Regulation (EU) No 830/2015** 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)  
**Regulation (EC) No 1272/2008** of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

**Regulation (EC) No 1907/2006** of the European Parliament and of the Council of 18 December 2006 concerning The Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC



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Regulation (EC) No 1907/2006, **Annex XVII** (the substances subject to restriction on marketing and use): none present  
Regulation (EC) No 1907/2006, **Article 59** (the substances on Candidate List): none present  
Regulation (EC) No 1907/2006, **Annex XIV** (the substances subject to authorisation): none present

#### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out.

### SECTION 16. OTHER INFORMATION

#### Amendments:

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#### List of abbreviations and acronyms:

Asp. Tox. 1 - Aspiration hazard, Category 1  
Acute Tox. 4 - Acute Toxicity, Category 4  
Eye Dam. 1 - Serious eye damage/eye irritation, Category 1  
Eye Irrit. 2 - Serious eye damage/eye irritation, Category 2  
Skin Sens. 1A - Skin sensitization, Category 1A  
Resp. Sens. 1 - Respiratory/skin sensitization, Category 1  
Skin Irrit. 2 - Skin corrosion/irritation, Category 2  
Skin Corr. 1B - Skin corrosion/irritation, Category 1B  
STOT RE 1 - Specific target organ toxicity - repeated exposure, Category 1  
STOT SE 3 - Specific target organ toxicity - single exposure, Category 3  
OEL - Occupational Exposure Limit  
SCBA - Self Contained Breathing Apparatus  
TWA - Time Weighted average (frequent long-term exposure over 8-hour work day)  
DNEL - Derived No Effect Level  
PNEC - Predicted No Effect Concentration  
STP - Sewage Treatment Plant  
LD50 - Lethal dose 50 (Lethal dose 50 is a substance dose which is lethal to 50% of tested animals)  
bw - body weight  
LC50 - Lethal concentration 50 (Lethal concentration 50 is the concentration which is lethal to 50% of tested animals)  
EC50 - Median effective concentration (Median effective concentration means the effective concentration of substance in the environment which produces a specific effect to 50% of tested organisms under a defined set of conditions)  
ErC50 - Median Effective Concentration (EC50 (growth rate))  
LL50 - Lethal loading rate for 50% of the test population  
EL50 - Effective loading rate lethal to 50% of the test population  
NOEC - No Observable Effect Concentration (a maximum dose not producing a harmful effect)  
NOEL - No Observable Effect Level (a maximum dose not producing a harmful effect)  
NOAEL - No Observed (Adverse) Effect Level  
Log Kow - partition coefficient n-octanol/water  
BCF - Bioaccumulation factor  
OECD - Organisation for Economic Co-operation and Development  
PBT - Persistent, bioaccumulative and toxic substance  
vPvB - Very persistent and very bioaccumulative substance



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ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road

RID - International Rule for Transport of Dangerous Substances by Railway

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG - International Maritime Dangerous Goods

IATA - International Air Transport Association

#### Basic literature and sources:

Safety data sheet of components.

[www.echa.europa.eu](http://www.echa.europa.eu)

#### List of hazard statements and the associated full text:

H302 - Harmful if swallowed.

H304 - May be fatal if swallowed and enters airways.

H314 - Causes severe skin burns and eye damage.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H332 - Harmful if inhaled.

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 - May cause respiratory irritation.

H372 - Causes damage to organs through prolonged or repeated exposure.

#### Other Information:

The information provided herein is correct to our up-to-date knowledge. The product must not be used for any purposes other than specified herein. We shall not accept any liability in case of non compliance with this Safety Data Sheet.