



# SAFETY DATA SHEET

According to 1907/2006/EC, Article 31. Regulation on Safety Data Sheets for Harmful Substances and Mixtures (R.G. 13.12.2014-29204)



www.artoil.com.tr

<b>Substance/Mixture Name:</b>	ART OIL LITHIUM PLEX EP 2	<b>Preparation date:</b>	26.10.2016
		<b>New Edit Date:</b>	12.06.2023
		<b>Revision:</b>	01
		<b>Form No:</b>	16102096

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/DISTRIBUTOR

### 1.1. Product Identifier

**Product Name:** ART OIL LITHIUM PLEX EP 2

### 1.2. Determined and Recommended Uses of The Substance or Mixture

**Fields of Usage:** ART OIL LITHIUM PLEX EP 2

**Manufacturer Company Name:** SENTEZ PETROKİMYA ART OIL

**Company Address:** INONU NEIGHBOURHOOD GEBZE PLASTIKCILER

OSB, 33. STREET NO: 1/1

Gebze /KOCAELI, TURKEY

**Phone:** 0 262 744 69 96

**Fax:** 0 262 744 47 99

**SDS Authorized Person:** [info@sentezpetrokimya.com](mailto:info@sentezpetrokimya.com)

### 1.3. Emergency Telephone Number

**Emergency Phone:** 0 262 744 69 96

**National Poison Information Center:** 114

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of The Substance or Mixture

Classified according to Regulation (EC) No 1272/2008. (RG: 11.12.2013, 28848 Repeated)

Physical hazards: Unclassified.

Health hazards: High-pressure injection under the skin can cause severe irritation. In case of excessive exposure, it may irritate the eyes, skin, or respiratory system.

Environmental hazards: Unclassified.

### 2.2. Label Elements

According to (EC) No 1272/2008 regulation, the labeling has been done properly. (RG: 11.12.2013, 28848 Repeated)

The product is classified and labeled according to the CLP regulation.



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- **Hazard Pictograms:** -

- **Signal Word:** -

- **Hazard Statements**

**H315 Causes skin irritation.**

**H317 Cause allergic skin reactions.**

**H318 Causes critical eye damage.**

**H319 Causes critical eye irritation.**

**H401 Toxic to aquatic life.**

**H402 Harmful to aquatic life.**

**H411 Long-lasting, toxic effect in the aquatic environment.**

**H412 May cause long-lasting harmful effects in the aquatic environment.**

**Contains zinc sulfonate. May cause an allergic reaction.**

Hazard-determining components for labeling: -

- **Precautionary Statements**

**P332+P313 If skin irritation occurs: Get medical help/care.**

**P362+P364 Take off contaminated clothing and wash it before reuse.**

**P264 Wash your hands thoroughly after handling.**

**P280 Use safety gloves/safety clothing/eye protectors/face protectors.**

- **Results of PBT and vPvB assessment:** Inapplicable



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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Mixtures

Substance	EC No.	Cas No.	Concentration (%)	H Expressions
BENZENAMINE, N-PHENYL-, WITH REACTION PRODUCTS 2,4,4-TRIMETHYLPENTEN	270-128-1	68411-46-1	1 - < 5%	Aquatic Acute 3 – H402 Aquatic Chronic 3 – H412
ZINC DIALKYL DITHIOPHOSPHATE	270-608-0	68457-79-4	1 - < 2,5%	Aquatic Acute 2 – H401 Aquatic Chronic 2 – H411 Skin Irrit. 2 – H315
ZINC DINONYLNAPHTALENE SULFONATE	248-778-2	28016-00-4	0,1 - < 1%	Skin Irrit. 2 – H315 Eye Irrit. 2 – H319 Skin Sens. 1 – H317 Eye Dmg. 1 – H318

\*\*\* Note: Any classification in brackets CLP regulation (No. 1272/2008) is a GHS configuration block that has not been adopted by the EU and is therefore not applicable in EU or non-EU countries where the CLP regulation applies and is shown for informational purposes only.

\*\*\*The hazardous classes of these components are taken from the MSDS sent by the supplier company.

## 4. FIRST AID PRECAUTIONS

### 4.1. Description of First Aid Precautions

Eyes	Wash off immediately with plenty of water. If you have contact lenses, remove them. Keep washing. If irritation continues, seek medical help.
Skin	Immediately remove contaminated clothing and wash it with plenty of water and soap.
Swallowing	Do not induce vomiting. Do not force vomiting unless under the management of health personnel. Seek medical help if symptoms are severe or persistent.
Respiration	Take the person to fresh air and allow them to breathe at ease.

### 4.2. Most important symptoms and effects, immediate and delayed

There are no known special health hazards. No other valuable information is available.

### 4.3. First indications of medical attention and special treatment needed

No other valuable information is available.



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## 5.1. Fire-Extinguishers

Water spray, foam, dry powder, or carbon dioxide. Do not use the water jet as an extinguisher, which can cause the fire to spread.

## 5.2. Special Hazards Arising from the Substance or Mixture

**Specific danger:** Unknown

**Hazardous combustion products:** Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Sulfurous gases (SO<sub>x</sub>). Mercaptans. Zinc oxide fumes. Hydrogen sulfide (H<sub>2</sub>S).

## 5.3. Advice for Firefighters

**Protective equipment:** Use tubular respiratory apparatus to prevent eye and skin contact in case of fire.

## 6. ACCIDENTAL RELEASE PRECAUTIONS

### 6.1. Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective devices specified in Section 8.

### 6.2. Environmental Precautions

Keep away from the above-ground and groundwater.

### 6.3. Methods and Materials for Containment and Cleaning

- **Cleaning Methods - low spillage:** Soak to sand or soil. Sweep and release to a suitable, clearly visible container for disposal following local regulations.
- **Cleaning Methods - heavy spillage:** Prevent material from spreading by making a barrier with sand, soil, or other material. It is cleaned directly or with an absorbent liquid. Dispose of as with small spills.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

Avoid breathing steam spray/mist. Do not handle on skin, eyes, or clothing. Do not eat, drink, or smoke while using this product. All handling should only take place in well-ventilated areas. Take precautions against static discharge. For personal protection, see Section 8.

### 7.2. Conditions for Safe Storage, Including any Incompatibilities

Store in tightly closed, original containers in a dry, cool, and well-ventilated place. Keep it upright. Keep away from food, drink, and animal feed.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters




Mixtures do not have TWA and STEL values.

### 8.2. Exposure Controls

#### 8.2.1. Appropriate Engineering Controls

Keep the substance concentration in the environment below the permissible limits by providing proper general or local ventilation.

#### 8.2.2. Personal Protective Equipment

<b>Eyes</b>	Under normal conditions, eye protection equipment is not required. Where splash hazard is likely, wear safety glasses with side windows for safe operation.	
<b>Clothes</b>	Use suitable protective clothing to prevent skin contact. Protective clothing to be selected according to the procedures to be performed includes gloves, aprons, boots, and all-face protective materials. Recommended materials for protective gloves are Nitrile Rubber, Silver Guard, and Viton.	
<b>Respiration</b>	Under normal conditions, respiratory protection is not required. If user operations produce oil mist, determine whether airborne concentrations are below the occupational exposure limit for H <sub>2</sub> S. If not, wear an approved respirator that provides adequate protection against measured concentrations of this substance. In air-purifying respirators, use a particle cartridge.	

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**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information Physical and Chemical Properties**

LITHIUM GREASE	STANDARD	VALUES					
		000	00	0	1	2	3
NLGI Number	-	000	00	0	1	2	3
Color	-	Brown	Brown	Brown	Brown	Brown	Brown
Soap Type	-	Lithium	Lithium	Lithium	Lithium	Lithium	Lithium
Penetration 25°C, Processed	ASTM D 217	445-475	400-430	355-385	310-340	265-295	220-250
Dropping Point, min. (°C)	ASTM D 566	>170	>170	>185	>190	>190	>190
Operating Temperature, max. (°C)	-	130	130	130	130	130	130

**10. STABILITY AND REACTIVITY****10.1. Reaction**

There are no known reactivity hazards associated with this product.

**10.2. Chemical Stability**

It is stable under normal conditions.

**10.3. Possibility of Hazardous Reactions**

Hazardous reactions are unknown.

**10.4. Conditions to Avoid**

Avoid exposure to elevated temperatures and direct sunlight.

**10.5. Substances to be Avoided**

There is no other available valuable information.

**10.6. Harmful Decomposition Products**

It is usable and does not decompose when stored as recommended.



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## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxic Effects

There are no known specific health hazards. Unclassified.

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

The product is not expected to be hazardous to the environment. Based on available data, the classification criteria are not met.

### 12.2. Persistence and Degradability

There is no data.

### 12.3. Bioaccumulation Potential

There is no data for bioaccumulation.

### 12.4. Mobility in Soil

There is no data.

### 12.5. Results of PBT and vPvB Assessment

**PBT:** Not applicable.

**PvB:** Not applicable.

### 12.6. Other Adverse Effects

There is no other available valuable information.

## 13. DISPOSAL INFORMATION

### 13.1. Waste Treatment Methods

In accordance with local Waste Disposal Agency requirements, Dispose waste to licensed waste disposal facility. Care should be taken when using empty containers. It must be thoroughly cleaned or rinsed. Do not reuse empty containers.

The product is not covered by international regulations regarding the transportation of dangerous goods (IMDG, IATA, ADR / RID).

## 14. TRANSPORT INFORMATION

14.1	UN number	-
14.2	UN proper shipping name	-
14.3	Transport hazard class(es)	-
14.4	Packing group	-
14.5	Environmental hazards	-
14.6	Special precautions for the user	-
14.7	Annex II of MARPOL 73/78 and public transport by code in IBC	-

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## 15. REGULATORY INFORMATION

### 15.1. Specific Safety, Health, and Environmental Regulations for the Substance or Mixture

- Labeling has been done following regulation (EC) No 1272/2008: The product is classified and labeled according to the CLP regulation.
- Directive 2012/18 / EU: Named hazardous substances - substances in Annex I are listed.
- National regulations: The product will be labeled following the current version of the arrangements on hazardous substances.

## 16. OTHER INFORMATION

### 16.1. Abbreviations Used

Abbreviations	Expression
<b>CAS</b>	Chemical Abstracts Service
<b>EC (EINECS)</b>	European Inventory of Existing Commercial Chemical Substances
<b>PBT</b>	Persistent, Bioaccumulate, and Toxic
<b>vPvB</b>	very Persistent and very Bioaccumulate
<b>Aquatic Acute 3</b>	Aquatic acute Category 3
<b>Aquatic Chronic 3</b>	Hazardous to the aquatic environment Category 3
<b>Aquatic Acute 2</b>	Aquatic acute Category 2
<b>Aquatic Chronic 2</b>	Hazardous to the aquatic environment Category 2
<b>Skin Irrit. 2</b>	Skin irritation Category 2
<b>Eye Irrit. 2</b>	Eye irritation Category 2
<b>Skin Sens. 1</b>	Skin sensitivity Category 1
<b>Eye Dmg. 1</b>	Critical eye damage 1

### 16.2. Classification Methods: -



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### 16.3. Relevant hazard statements, explanations of precautionary statements

<b>H Expressions</b>	
<b>H315</b>	Causes skin irritation.
<b>H317</b>	Cause allergic skin reactions.
<b>H318</b>	Causes critical eye damage.
<b>H319</b>	Causes critical eye irritation.
<b>H401</b>	Toxic to aquatic life.
<b>H402</b>	Harmful to aquatic life.
<b>H411</b>	Long-lasting, toxic effect in the aquatic environment.
<b>H412</b>	May cause long-lasting harmful effects in the aquatic environment.

<b>P Expressions</b>	
<b>P264</b>	Wash your hands thoroughly after handling.
<b>P280</b>	Use safety gloves/safety clothing/eye protectors/face protectors.

Contact information of the SDS preparer: Burcu YILDIRIM / +09 (0262) 744 69 96  
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DOCUMENT NO: TSE SDS-A-0-2919

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