



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

Substance/Mixture Name:	ART OIL GRAPHITE GREASE WITH LITHIUM SOAP	Preparation date:	22.02.2022
		New Edit Date:	12.06.2023
		Revision:	00
		Form No:	16102096

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

1.1. Product Identifier

Product Name: ART OIL GRAPHITE GREASE WITH LITHIUM SOAP (1, 2, 3)

1.2. Determined and Recommended Uses of The Substance or Mixture

Fields of Usage: ART OIL GRAPHITE GREASE WITH LITHIUM SOAP, It can be used for general lubrication in mobile equipment with high vibration and normal loads, construction and work machines, and automotive and industrial applications.

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

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: The product contains a harmful substance to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

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: Danger**

- **Hazard Statements**

H302 Harmful if swallowed.

H317 Cause allergic skin reactions.

H400 Highly toxic in the aquatic environment.

H410 Long-lasting, highly toxic effect in the aquatic environment.

EUH208 Contains aryl amine. May cause an allergic reaction.

Hazard-determining components for labeling: -

- **Precautionary Statements**

P308+P313 In case of exposure and interaction: Get medical help and care.

P201 Before use, read special instructions.

P273 Avoid releasing to the environment.

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

P405 Store locked up.

P501 Dispose of the contents/container according to national regulations.

- **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
Lubricating oils (petroleum) (includes less than 3% DMSO extract)	278-012-2	74869-22-0	45-65 %	-
Graphite	231-955-3	7782-42-5	>3	-
Aryl amine	-	-	< 2%	M Factor (Acute) = 1 M Factor (Chronic) = 1 Acute Tox. 4 – H302 Skin Sens. 1B – H317 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410

***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 (CO₂). Carbon monoxide (CO). Sulfurous gases (SO_x). Mercaptans. Zinc oxide fumes. Hydrogen sulfide (H₂S).

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

Eyes	Under normal conditions, eye protection equipment is not required. Where splash hazard is likely, wear safety glasses with side windows for safe operation.	
Clothes	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.	
Respiration	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 ₂ 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

NLGI Number	-	1	2	3
Color	-	Gray - Black	Gray - Black	Gray - Black
Soap Type	-	Lithium	Lithium	Lithium
Processed Penetration, 25°C	ASTM D 217	310-340	265-295	220-250
Dropping Point, min. (°C)	ASTM D 566	190	190	190
Operating Temperature, max. (°C)	-	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
CAS	Chemical Abstracts Service
EC (EINECS)	European Inventory of Existing Commercial Chemical Substances
PBT	Persistent, Bioaccumulate, and Toxic
vPvB	very Persistent and very Bioaccumulate
Aquatic Acute 1	Aquatic acute Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment Category 1
Acute Tox. 4	Acute toxicity Category 4
Skin Sens. 1B	Skin sensitivity Category 1B

16.2. Classification Methods: -



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16.3. Relevant hazard statements, explanations of precautionary statements

H Expressions	
H302	Harmful if swallowed.
H317	Causes allergic skin reactions.
H400	Highly toxic in the aquatic environment.
H410	Long-lasting, highly toxic effect in the aquatic environment.
EUH208	Contains aryl amine. May cause an allergic reaction.

P Expressions	
P201	Before use, read special instructions.
P273	Avoid releasing to the environment.
P280	Use safety gloves/safety clothing/eye protectors/face protectors.
P405	Store locked up.
P501	Dispose of contents/containers by sending them to the waste collection center.

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

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