



SAFETY DATA SHEET CARIUS EP 220

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.
Commission Regulation (EU) 2020/878 of 18 June 2020.

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

1.1. Product identifier

Product name CARIUS EP 220

Product number 43161

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

Identified uses Grease.

1.3. Details of the supplier of the safety data sheet

Supplier PETROL OFİSİ A.Ş.
Ünalın Mahallesi, Libadiye Caddesi No: 82F Kat: 2-3-4, 34700 Üsküdar/ İstanbul
Tel: +90 850 339 1919
Fax: +90 216 275 3854
madeniyag@petrolofisi.com.tr

1.4. Emergency telephone number

Emergency telephone Madeni Yağ Customer Services: 0850 339 1919 (working hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Eye Irrit. 2 - H319

Environmental hazards Aquatic Chronic 3 - H412

Environmental The product contains a substance which is harmful to aquatic organisms.

Physicochemical This product is not flammable.

2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements EUH208 Contains MALEIC ANHYDRIDE, N-1-naftilanilin. May produce an allergic reaction.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.



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Precautionary statements

P264 Wash contaminated skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Distillates (petroleum), hydrotreated heavy paraffinic CAS number: 64742-54-7 EC number: 265-157-1 REACH registration number: 01-2119484627-25-0033	20-25%
Classification Not Classified	
Distillates (petroleum), hydrotreated heavy naphthenic CAS number: 64742-52-5 EC number: 265-155-0	20-25%
Classification Not Classified	
Phosphorodithioic acid, mixed O,O-bis (2-ethylhexyl and iso-Bu and pentyl) esters, zinc salts CAS number: — EC number: 273-527-9	1-5%
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 2 - H411	
2,6-di-tert-butylphenol CAS number: 128-39-2 EC number: 204-884-0 M factor (Acute) = 1 M factor (Chronic) = 1	1-5%
Classification Skin Irrit. 2 - H315 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	



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MALEIC ANHYDRIDE	<1%
CAS number: 108-31-6	EC number: 203-571-6
Classification Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Resp. Sens. 1 - H334 Skin Sens. 1 - H317	
N-1-naftilanilin	<1%
CAS number: 90-30-2	EC number: 201-983-0
M factor (Acute) = 1	M factor (Chronic) = 1
Classification Acute Tox. 4 - H302 Skin Sens. 1B - H317 STOT RE 2 - H373 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

The full text for all hazard statements is displayed in Section 16.

Composition comments Some substances are not classified by legislation. They are self classified by the manufacturer. The DMSO extract by IP 346 of the oil is less than 3%

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

General information See Section 11 for additional information on health hazards.

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

Notes for the doctor No specific treatment. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.



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5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Distillates (petroleum), hydrotreated heavy paraffinic

Oil mist: TWA: 5 mg/m³ (ACGIH). In no case should this limit be exceeded or the local limit, if it is more restrictive.

Distillates (petroleum), hydrotreated heavy naphthenic

Mineral Oil; TWA: 5 mg/m³, ACGIH (United States)

MALEIC ANHYDRIDE

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³(Sen)

Short-term exposure limit (15-minute): WEL 3 mg/m³(Sen)

WEL = Workplace Exposure Limit.

Ingredient comments WEL = Workplace Exposure Limits



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Highly refined mineral oil (CAS: 64742-01-4)

Ingredient comments Oil Mist TWA: 5 mg /m³ (ACGIH).

Phosphorodithioic acid, mixed O,O-bis (2-ethylhexyl and iso-Bu and pentyl) esters, zinc salts

DNEL Workers - Dermal; Long term systemic effects: 9,6 mg/kg, bw/day
Consumer - Dermal; Long term systemic effects: 4,8 mg/kg, bw/day
Consumer - Oral; Long term systemic effects: 0,19 mg/kg, bw/day

PNEC - Water; 0,004 mg/l

2,6-di-tert-butylphenol (CAS: 128-39-2)

DNEL Workers - Dermal; Long term systemic effects: 11,25 mg/kg, bw/day
Workers - Inhalation; Long term systemic effects: 70,61 mg/m³
Consumer - Oral; Long term systemic effects: 6,75 mg/kg, bw/day
Consumer - Inhalation; Long term systemic effects: 20,9 mg/m³

PNEC - Water; 0,00045 mg/l
- marine water; 0,000045 mg/l

Damıtıklar (petrol), hidrojenle muamele edilmiş ağır parafinik (CAS: 64742-54-7)

DNEL Workers - Inhalation; Long term : 5,4 mg/m³
Consumer - Inhalation; Long term : 1,2 mg/m³

PNEC Oral Value: 9,33 mg/kg

Bis(nonilfenil)amin (CAS: 36878-20-3)

PNEC Water; 0,1 mg/l

Reaction products of Dihydro-3-(tetrapropenyl) furan-2,5 dione with Propane-1,2,diol

DNEL Workers - Dermal; Long term systemic effects: 4 mg/kg, bw/day
Consumer - Dermal; Long term systemic effects: 2 mg/kg, bw/day
Consumer - Oral; Long term systemic effects: 2 mg/kg, bw/day

Distillates (petroleum) solvent dewaxed heavy paraffinic (CAS: 64742-65-0)

DNEL Workers - Inhalation; Long term : 5,4 mg/m³

PNEC Oral Value: 9,33 mg/kg

N-1-naftilanilin (CAS: 90-30-2)

DNEL Workers - Dermal; Long term systemic effects: 0,05 mg/kg

PNEC Water; 0,0002 mg/l

8.2. Exposure controls



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Protective equipment



Appropriate engineering controls	Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Provide eyewash station. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Grease.
Colour	Blue.
Odour	Characteristic.
Relative density	İşlenmiş Penetrasyon/ Worked Penetration: 265-295 @ 25°C
Particle characteristic	Not applicable.

9.2. Other information

Other information	The information given is for the final product.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No data available.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	There is not enough data.
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10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time. Avoid contact with the following materials: Oxidising agents. Reducing agents.
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10.5. Incompatible materials

Materials to avoid	There is not enough data.
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10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on hazard classes as defined in Regulation (EC) No 1272/2008

Other health effects No relevant information available.

Inhalation Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion May cause discomfort if swallowed.

Skin contact Liquid may irritate skin.

Eye contact Irritating to eyes.

11.2 Information on other hazards

Information on other hazards This product does not have endocrine disrupting properties.

SECTION 12: Ecological information

Ecotoxicity Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Toxicity There is not enough data.

12.2. Persistence and degradability

Persistence and degradability There is not enough data.

12.3. Bioaccumulative potential

Bioaccumulative potential Uygun bilgi yok.

12.4. Mobility in soil

Mobility The product is immiscible with water and will spread on the water surface.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment Not applicable.

12.6 Endocrine disrupting properties

Endocrine disrupting properties This product does not have endocrine disrupting properties.

12.6. Other adverse effects

Other adverse effects Not applicable.

SECTION 13: Disposal considerations



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13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

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

14.1. UN number

UN number or ID number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

Transport labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Maritime transport in bulk according to IMO instruments

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

Guidance

Workplace Exposure Limits EH40.
CHIP for everyone HSG228.
Safety Data Sheets for Substances and Preparations.
Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment



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Not applicable.

SECTION 16: Other information

Revision comments	Revised classification.
Issued by	Ece Korkut Safety and Data Sheet Specialist (Certificate No: GBF01.54.04 26.06.2024)
Revision date	29/01/2024
Revision	4
Supersedes date	13/06/2011
SDS number	10203
Hazard statements in full	<p>H302 Harmful if swallowed.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure if swallowed or if inhaled.</p> <p>EUH208 Contains MALEIC ANHYDRIDE, N-1-naftilanilin. May produce an allergic reaction.</p>

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.