

SAFETY DATA SHEET
AKPEROX BP 15 PASTE

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015.

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name AKPEROX BP 15 PASTE
Chemical name Di Benzoyl Peroxide, Paste, 15%

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

Identified uses Industrial use.
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier AKPA KİMYA AMBALAJ SANAYİ VE TİCARET ANONİM ŞİRKETİ
Yenibosna Merkez Mah. Ladin Sok.
No:36/70 Kat:12 34197 Townofis Bahçelievler, İstanbul, TÜRKİYE
Web: www.akpakimya.com
TEL: +90 212 580 55 59
FAX: +90 212 580 55 21
E-mail: info@akpakimya.com

Contact person Export Department - export@akpakimya.com

1.4. Emergency telephone number

Emergency telephone AKPA Kimya : +90 212 580 55 59

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification (EC 1272/2008)**

Physical hazards Org. Perox. E - H242
Health hazards Eye Irrit. 2 - H319; Skin Sens. 1A - H317
Environmental hazards Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410

2.2. Label elements**Pictogram**



ORGANIC PEROXIDES, INITIATORS
PAINT DRIERS

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| | | |
|---------------------------------|--------------|--|
| Signal Word | Warning | |
| Hazard statements | H242 | Heating may cause a fire. |
| | H317 | May cause an allergic skin reaction. |
| | H319 | Causes serious eye irritation. |
| | H410 | Very toxic to aquatic life with long lasting effects. |
| Precautionary statements | P201 | Obtain special instructions before use. |
| | P220 | Keep away from acids, alkalis, heavy metal compounds, oxidising material, combustible materials. |
| | P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| | P301+310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| | P305+351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| | P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| | P501 | Dispose of contents/container in accordance with national regulations. |

Commission Regulation (EU) No 2015/830 of 28 May 2015.

Contains dibenzoyl peroxide

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| | | | |
|--|----------------|------------------|------------------|
| DIBENZOYL PEROXIDE | | % 14-16 | |
| REACH Reg. No : 01-2119511472-50-0017 | | | |
| CAS Number | 94-36-0 | EC Number | 202-327-6 |
| Classification | | | |
| Org. Perox. B | H241 | | |
| Eye Irrit. 2 | H319 | | |
| Skin Sens. 1 | H317 | | |
| Aquatic Acute 1 | H400 | | |
| Aquatic Chronic 1 | H410 | | |

| | | | |
|---|-----------------|------------------|------------------|
| Dimethyl Phthalate | | % 1-5 | |
| REACH Reg. No: 01-2119437229-36-0008 | | | |
| CAS Number | 131-11-3 | EC Number | 205-011-6 |
| Sınıflandırma T.C. 28848 | | | |
| Not Classified. | | | |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.



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Composition Comments

The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|-----------------------------------|--|
| General information | General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues. |
| Inhalation | Place unconscious person on the side in the recovery position and ensure breathing can take place. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues. |
| Ingestion | Immediately rinse mouth and provide fresh air. DO NOT induce vomiting. Get medical attention immediately. |
| Skin contact | Remove victim immediately from source of exposure. Immediately remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing. |
| Eye contact | Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing. |
| Protection of first aiders | First aid personnel should wear appropriate protective equipment during any rescue. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation. |

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

| | |
|----------------------------|--|
| General information | See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. |
| Inhalation | Nausea, vomiting. Dizziness. |
| Ingestion | May cause stomach pain or vomiting. |
| Skin contact | Prolonged skin contact may cause redness and irritation. |
| Eye contact | Irritation of eyes and mucous membranes. |

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



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Notes for the doctor Treat symptomatically. May cause sensitization or allergic reactions in sensitive individuals.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing Media Halon. Direct water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards In case of fire, toxic gases may be formed. Vapours may form explosive air mixtures even at room temperature. Containers can burst violently when heated, due to excess pressure build-up

Hazardous decomposition products

Fire causes formation of toxic gases. Forms explosive mixtures with air. May explode when heated or when exposed to flames or sparks.

5.3. Advice for firefighters

Protective actions during firefighting Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Face mask, protective gloves and safety helmet.

Special protective equipment for firefighters Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. If possible, fight fire from protected position. Move container from fire area if it can be done without risk. Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

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. Do not smoke, use open fire or other sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.

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6.2. Environmental precautions

Environmental precautions Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Dike far ahead of larger spills for later disposal. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to the other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Avoid inhalation of vapours/spray and contact with skin and eyes. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Do not handle broken packages without protective equipment.

Advice on general occupational hygiene Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product. Observe good chemical hygiene practices. Mechanical ventilation or local exhaust ventilation may be required. Container must be kept tightly closed. Protect against direct sunlight.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Avoid contact with oxidising agents. Store away from: Acids. Alkalis. Heavy metal compounds. Oxidising material - Keep away from flammable and combustible materials. Store in closed original container at temperatures between 5°C and 30°C. Provide an adequate ventilation system.

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

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8.1. Control parameters

Occupational exposure limits

| Ingredients | CAS No. | Value | Control Parameters | Basis |
|--------------------|----------|----------|-----------------------|-----------|
| Dibenzoyl peroxide | 94-36-0 | TWA | 5 mg/m ³ | ACGIH |
| | | | | NIOSH REL |
| | | | | OSHA Z-1 |
| | | | | OSHA P0 |
| Dimethyl phthalate | 131-11-3 | TWA | 5 mg/m ³ | ACGIH |
| | | | | NIOSH REL |
| | | | | OSHA Z-1 |
| | | MPC-TWA | 0,3 mg/m ³ | RU OEL |
| | | MPC-Stel | 1 mg/m ³ | RU OEL |

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name | End Use | Exposure routes | Potential health effects | Value |
|--------------------|-----------|-----------------|--------------------------|-------------------------|
| Dibenzoyl peroxide | Consumers | Oral | Longterm System | 1.65 mg/kg bw/day |
| | Workers | Dermal | Longterm System | 6.6 mg/kg bw/day |
| | Consumers | Dermal | Longterm System | 3.3 mg/kg bw/day |
| | Workers | Inhalation | Longterm System | 11.75 mg/m ³ |
| | Consumers | Inhalation | Longterm System | 2.9 mg/m ³ |

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name | Environmental Compartment | Value |
|--------------------|---------------------------|----------------|
| Dibenzoyl peroxide | Fresh water | 0,000602 mg/l |
| | Marine water | 0,0000602 mg/l |
| | Intermittent use/release | 0,493 mg/l |
| | Fresh water sediment | 0,338 mg/kg |
| | Marine sediment | 0,0338 mg/kg |
| | Sewage treatment plant | 0,35 mg/l |

8.2. Exposure controls

Protective equipment

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Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. All handling to take place in well-ventilated area.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

Other skin and body protection

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Isolate contaminated clothing and wash before reuse. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Wash promptly with soap & water if skin becomes contaminated.

Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Wear suitable mask. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14 387 and EN143. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.



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Environmental exposure controls Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

| | |
|------------------------|--------------------------------|
| Appearance | Paste |
| Colour | Gray, Black |
| Odour | Characteristic |
| Melting point | Not available |
| Flash point | No data available. |
| Bulk density | Not available. |
| Solubility(ies) | Insoluble in water. |
| Viscosity | Not available. |
| Density | 1,50 – 1,55 gr/cm ³ |

9.2. Other information

| | |
|------------------------------|------------|
| Active Oxygen Content | 0,98-1,00% |
|------------------------------|------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|-------------------|----------------|
| Reactivity | Not available. |
|-------------------|----------------|

10.2. Chemical stability

| | |
|------------------|---|
| Stability | Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions. |
|------------------|---|

10.3. Possibility of hazardous reactions

| | |
|---|-------------------------------------|
| Possibility of hazardous reactions | No potentially hazardous reactions. |
|---|-------------------------------------|

10.4. Conditions to avoid

| | |
|----------------------------|---|
| Conditions to avoid | Avoid heat, flames and other sources of ignition. |
|----------------------------|---|

10.5. Incompatible materials

| | |
|---------------------------|--|
| Materials to avoid | Strong alkalis. Strong acids. Strong oxides. Strong reducing agents. Metals. |
|---------------------------|--|



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10.6. Hazardous decomposition products

Hazardous decomposition Products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO₂). Hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information

The product is not tested.

Serious eye damage/irritation:

Eye irritation.

Respiratory or skin sensitisation:

Skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity:

Genotoxicity - In Vitro - In Vivo

Not available.

Carcinogenicity:

Not available.

Reproductive Toxicity:

May damage the unborn child. Suspected of damaging fertility

Reproductive Toxicity – Development

Not available.

Specific target organ toxicity - single exposure:

STOT - Single exposure

No information required.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

No information required.

Aspiration Hazard

No data available.



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Inhalation

In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

Ingestion

May cause discomfort if swallowed.

Skin contact

May cause an allergic skin reaction.

Eye contact

Irritating and may cause redness and pain.

Toxicological information on ingredients.

Dibenzoyl peroxide

| | | |
|---------------------------|------------------------|-------------------|
| Acute oral toxicity | LD50: >5,000 mg/kg | Species: Rat |
| Acute inhalation toxicity | LC50 (Rat): >24.3 mg/l | Exposure time: 4h |

Dimethyl phthalate

| | | |
|---------------------------|---|-----------------|
| Acute oral toxicity | LD50: >5000 mg/kg | Species: Rat |
| Acute inhalation toxicity | The substance or mixture has no acute inhalation toxicity | |
| Acute dermal toxicity | LD50: >10000 mg/kg | Species: Rabbit |

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity No data available

Ecological information on ingredients.

Dibenzoyl peroxide

| | |
|--|--|
| Toxicity to fish | EC50, 96h (Oncorhynchus mykiss (rainbow trout)): 0.06 mg/l |
| Toxicity to daphnia and other aquatic invertebrates | EC50, 48h (Daphnia magna (Water flea)): 0.11 mg/l |
| Toxicity to algae | EC50, 72h (Pseudokirchneriella subcapitata (green algae)): 0.06 mg/l |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | EC10, 21d (Daphnia magna (Water flea)): 0.001 mg/l |

Dimethyl phthalate

| | |
|-------------------|-------------------------------------|
| Toxicity to fish | LC ₅₀ , 96h: 420 mg/l |
| Toxicity to algae | EC ₁₀ , 72h: 193,09 mg/l |



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Toxicity to fish (Chronic toxicity) NOEC, 102d: 11 mg/l
 Toxicity to daphnia and other NOEC, 21d: 9,6 mg/l
 Aquatic invertebrates (Chronic toxicity)

12.2. Persistence and degradability

Persistence and degradability The product is easily biodegradable.

12.3. Bio accumulative potential

Bio accumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility The product is insoluble in water and may spread in the aquatic environment.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects May be hazardous to aquatic life.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General Information Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. When handling waste, consideration should be made to the safety precautions applying to handling of the product

Disposal methods Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). Environmental manager must be informed of all major spillages.

SECTION 14: Transport information

General Information For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

14.1. UN number

UN No. (ADR/RID) 3108
UN No. (IMDG) 3108



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UN No. (ICAO) 3108
UN No. (ADN) 3108

14.2. UN proper shipping name

Proper Shipping name (ADR/RID) ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)

Proper Shipping name (IMDG) ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)

Proper Shipping name (ICAO) ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)

Proper Shipping name (ADN) ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)

14.3. Transport hazard class(es)

ADR/RID class 5.2
ADR/RID label 5.2
IMDG class 5.2
ICAO class/division 5.2
ADN class 5.2

Transport labels



14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant





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14.6. Special precautions for user

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

EmS F-J, S-R
Emergency Action Code 1W
Tunnel restriction code (D)

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

Transport in bulk according to Annex II of MARPOL Not Applicable.

SECTION 15: Regulatory information

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

National regulations Health and Safety at Work etc. Act 1974 (as amended).
 The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
 The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
 EH40/2005 Workplace exposure limits.

EU legislation 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) (as amended).
 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 (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Key literature references and sources for data This SDS is prepared based on the information received from the product owner.

Classification procedures according to Regulation (EC) 1272/2008 Org. Perox. E H242; Eye Irrit 2 H319; Skin sens.1A H317; Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410 Calculation Method.

Training advice Read and follow manufacturer's recommendations. Only trained personnel should use this material.



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| | |
|----------------------------------|--|
| Revision comments | The SDS is generated in accordance with the 1907/2006 REACH and 1272/2008 CLP regulations. Section 2 and section 3 is revized. |
| Issued by | Simge ARIK lab@akpakimya.com +90 282 361 80 99 |
| Issued Date | 30.11.2009 |
| Revision date | 22.02.2021 |
| Revision | 4.0 |
| Hazard statements in full | H242 Heating may cause a fire. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. |

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.