

SAFETY DATA SHEET**AKPEROX C80**

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 C80
Chemical name Cumyl Hydroperoxide

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

Manufacturer 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 CHEMTREC: TOLL Free 1-800-424-9300 / Local: +1-703-527-3887
For product information AKPA KİMYA: +90 549 558 40 40

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

Physical hazards Org. Perox. F - H242
Health hazards Acute Tox. 4 - H302; Acute Tox. 3 - H331; Acute Tok. 4 - H312; Skin Corr. 1B - H314; STOT SE 3 - H335; STOT RE 2 - H373
Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements**Pictogram****Signal Word****Danger**

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Hazard statements

- H242** Heating may cause a fire.
H302 + H312 Harmful if swallowed or in contact with skin.
H314 Causes severe skin burns and eye damage.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

- P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220 Keep away from acids, alkalis, heavy metal compounds, oxidizing material, combustible materials.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/doktor if you feel unwell.
P411+P235 Store at temperature not exceeding -30 +40°C. Keep cool.
P501 Dispose of contents/ container in accordance with national regulations.

Commission Regulation (EU) No 2015/830 of 28 May 2015.**Contains** α,α -dimethylbenzyl hydroperoxide; cumene hydroperoxide**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**

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α,α-dimethylbenzyl hydroperoxide; cumene hydroperoxide		%80-85	
CAS Number	80-15-9	EC Number	201-254-7
Classification		Specific concentration limits	
Org. Perox. E	H242	Skin Corr. 1B; H314: C \geq 10 %	
Acute Tox. 3	H331	Eye Irrit. 2; H319: 1 % \leq C < 3 %	
Acute Tox. 4	H302	Skin Irrit. 2; H315: 3 % \leq C < 10 %	
Acute Tox. 4	H312	STOT SE 3; H335: C < 10 %	
Skin Corr. 1B	H314	Eye Dam. 1; H318: 3 % \leq C < 10 %	
STOT RE 2	H373		
Aquatic Chronic 2	H411		
Methyl acetoacetate		%10-20	
CAS Number	105-45-3	EC Number	203-299-8
Classification			
Eye Irrit. 2	H319		
2-phenylpropan-2-ol		%1-5	
CAS Number	617-94-7	EC Number	210-539-5
Classification			
Acute Tox. 4	H302		
Skin Irrit. 2	H315		
Eye Irrit. 2	H319		
Acetophenone		%1-3	
CAS Number	98-86-2	EC Number	202-707-8
Classification			
Acute Tox. 4	H302		
Eye Irrit. 2	H319		
Cumene		%1-2,5	
CAS Number	98-82-8	EC Number	202-704-5
Classification			
Flam. Liq. 3	H226		
Asp. Tox. 1	H304		
STOT SE 3	H335		
Aquatic Chronic 2	H411		

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

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4.1. Description of first aid measures**General information**

Move out of dangerous areas. Show this Safety data sheet to the doctor in attendance. Do not leave the victim unattended. Symptoms of poisoning may appear several hours later. Call a physician immediately.

Inhalation

Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly with water. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.

Skin contact

It is important to remove the substance from the skin immediately. Take off immediately all contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention. Chemical burns must be treated by a physician. Get medical attention if symptoms are severe or persist after washing.

Eye contact

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes. Get medical attention if symptoms are severe or persist 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.

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Inhalation	A single exposure may cause the following adverse effects: Difficulty in breathing. Unconsciousness. Vapors may irritate the respiratory system. Frequent inhalation of vapors over a long period of time increases the risk of developing lung diseases.
Ingestion	May cause sensitization or allergic reactions in sensitive individuals. May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin contact	May cause skin sensitisation or allergic reactions in sensitive individuals. Causes severe burns. Symptoms following overexposure may include the following: Pain or irritation. Redness. Blistering may occur.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.
4.3. Indication of any immediate medical attention and special treatment needed	
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. Use fire extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising from the substance or mixture	
Specific hazards	May cause or intensify fire; oxidizer. May cause or intensify fire; oxidiser. Containers can burst violently or explode when heated, due to excessive pressure build-up. Fire-water run-off in sewers may create fire hazard. This product is toxic. Severe corrosive hazard. Water used for fire extinguishing, which has been in contact with the product, may be corrosive.
Hazardous decomposition products	Hazardous decomposition products are not known.
5.3. Advice for firefighters	
Protective actions during firefighting	Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. May cause or intensify fire; oxidiser. Cool

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containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material. Avoid contact with skin and eyes.

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. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Usage precautions

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. Avoid handling which leads to dust formation. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Advice on general occupational hygiene

Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store away from other materials. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Protect from sunlight. Bund storage facilities to prevent soil and water pollution in the event of spillage. The storage area floor should be leak-tight, jointless and not absorbent. Store at temperatures between -30°C and 40°C.

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:

Ingredients	CAS No.	Value	Control Parameters	Basis
α,α -dimethylbenzyl hydroperoxide	80-15-9	TWA	1 ppm	US WEEL
Cumene	98-82-8	TWA	50 ppm	ACGIH
			50 ppm	NIOSH REL
			245 mg/m ³	OSHA Z-1
				OSHA P0

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

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Substance name	End Use	Exposure routes	Potential health effects	Value
α,α -dimethylbenzyl hydroperoxide	Workers	Inhalation	Long-term exposure	6 mg/m ³

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

Substance name	Environmental Compartment	Value
α,α -dimethylbenzyl hydroperoxide	Fresh water	0,0031 mg/l
	Marine water	0,00031 mg/l
	Fresh water sediment	0,023 mg/kg
	Marine sediment	0,0023 mg/kg
	Soil	0,0029 mg/kg
	Sewage treatment plant	0,35 mg/l
	Intermittent use/release	0,031 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Personal, workplace environment or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimize worker exposure. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimize exposure.

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

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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

Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Preventive industrial medical examinations should be carried out. Warn cleaning personnel of any hazardous properties of the product.

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.

Environmental exposure controls

Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and Chemical Properties**9.1. Information on basic physical and chemical properties**

Appearance	Liquid.
Colour	Max. 180 Pt-Co/APHA
Odour	Pungent

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Melting point	No data available.
Flash point	No data available.
Flammability (solid, gas)	Not applicable
Density	1,05 - 1,07 gr/cm ³ 20°C
Viscosity	10,4 mPa.s 20°C

9.2. Other information

Active Oxygen Content	8,40 - 8,94 %
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SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactivity	Stable at normal ambient temperatures and when used as recommended.
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10.2. Chemical stability

Stability	Stable under recommended storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Static electricity and formation of sparks must be prevented. Avoid exposure to high temperatures or direct sunlight.
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10.5. Incompatible materials

Materials to avoid	Reducing agents. Flammable/combustible materials. Hydrocarbons. Organic cyanides (nitriles). Esters. Some metals. Keep away from amine and cobalt accelerators, acids, alkalis and heavy metal compounds, combustible materials.
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10.6. Hazardous decomposition products

Hazardous decomposition Products	Methane Acetophenone 2-Phenylisopropanol
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SECTION 11: Toxicological information**11.1. Information on toxicological effects****Product Information****Toxicological information**

Acute toxicity - oral	LD ₅₀ : 595,23 mg/kg Method: Calculation method
Acute toxicity - dermal	LD ₅₀ : 1309,5 mg/kg Method: Calculation method

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Acute toxicity - inhalation	LC ₅₀ : 3,57 mg/l Method: Calculation method
Serious eye damage/irritation:	Causes serious eye damage.
Skin corrosion/irritation:	Causes severe burns.
Respiratory or skin sensitisation:	
Respiratory sensitisation	May cause respiratory irritation.
Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity:	Genotoxicity - In Vitro - In Vivo Based on available data the classification criteria are not met.
Carcinogenicity:	Based on available data the classification criteria are not met.
Reproductive Toxicity - Fertility	May damage the unborn child.
Reproductive Toxicity – Development	Suspected of damaging fertility.
Specific target organ toxicity - single exposure:	
STOT - Single exposure	May cause respiratory irritation.
Specific target organ toxicity - repeated exposure:	
STOT - Repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration Hazard	Harmful if swallowed or in contact with skin.
Inhalation	A single exposure may cause the following adverse effects: Difficulty in breathing. Unconsciousness.
Ingestion	May cause sensitisation or allergic reactions in sensitive individuals. May cause chemical burns in mouth, oesophagus and stomach. Symptoms following overexposure may include the following: Severe stomach pain. Nausea, vomiting.
Skin contact	May cause skin sensitisation or allergic reactions in sensitive individuals. Causes severe burns. Symptoms following overexposure may include the following: Pain or irritation. Redness. Blistering may occur.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.
Route of entry	Ingestion Inhalation Skin and/or eye contact
Target organs	Respiratory system, lungs
Medical considerations	Skin disorders and allergies.

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Toxicology Data For The Ingredients: **α,α -dimethylbenzyl hydroperoxide**

Acute oral toxicity	LD50: 382 mg/kg	Species: Rat
Acute dermal toxicity	LD50: 1,100 mg/kg	Species: Rat
Acute inhalation toxicity	LC50 (Rat): 2,01 mg/l	Exposure time: 4h

Cumene

Acute oral toxicity	LD50: 2,700 mg/kg	Species: Rat
Acute dermal toxicity	LD50: >3,160 mg/kg	Species: Rabbit

2-phenylpropan-2-ol

Acute oral toxicity	LD50: 1,300 mg/kg	Species: Rat
Acute dermal toxicity	LD50: 4,300 mg/kg	Species: Rabbit

SECTION 12: Ecological Information**12.1. Toxicity****Ecological information on ingredients.** **α,α -dimethylbenzyl hydroperoxide**

Toxicity to fish	LC50, 96h (Oncorhynchus mykiss (rainbow trout)): 3.9 mg/l
Toxicity to algae	EC50, 72h (Desmodesmus subspicatus (green algae)): 1.6 mg/l
Toxicity to daphnia and other aquatic invertebrates	EC50, 48h (Daphnia magna (Water flea)): 18 mg/l

Cumene

Toxicity to fish	LC50, 96h (Oncorhynchus mykiss (rainbow trout)): 3.9 mg/l
Toxicity to algae	EC50, 72h (Desmodesmus subspicatus (green algae)): 2.01 mg/l
Toxicity to daphnia and other aquatic invertebrates	EC50, 48h (Daphnia magna (Water flea)): 2.14 mg/l
Toxicity to microorganisms	EC50, 3h : > 2,000 mg/l
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC, 21d: 0.35 mg/l

12.2. Persistence and degradability**Persistence and degradability** No data available.**12.3. Bio accumulative potential****Bio accumulative potential** No data available on bioaccumulation.**12.4. Mobility in soil****Mobility** No data available.

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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** None known.**SECTION 13: Disposal considerations****13.1. Waste treatment methods****General information**

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods

Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Containers should be thoroughly emptied before disposal because of the risk of a fire. Do not cut or weld used containers unless they have been thoroughly cleaned internally.

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)	3109
UN No. (IMDG)	3109
UN No. (ICAO)	3109
UN No. (ADN)	3109

14.2. UN proper shipping name

Proper Shipping name(ADR/RID)	ORGANIC PEROXIDE TYPE F, LIQUID (CUMENE HYDROPEROXIDE)
Proper Shipping name (IMDG)	ORGANIC PEROXIDE TYPE F, LIQUID (CUMENE HYDROPEROXIDE)

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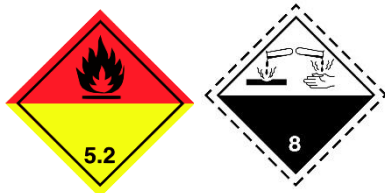
COMMISSION REGULATION (EU) 2015/830 of 28 May 2015.

Proper Shipping name (ICAO) ORGANIC PEROXIDE TYPE F, LIQUID (CUMENE HYDROPEROXIDE)
Proper Shipping name (ADN) ORGANIC PEROXIDE TYPE F, LIQUID (CUMENE HYDROPEROXIDE)

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



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
ADR Transport Category	2
Emergency Action Code	2W
Hazard Identification Number (ADR/RID)	539
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.

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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

Acute Tox. 4 - H302; Acute Tox. 3 - H331; Acute Tok. 4 - H312; Skin Corr. 1B - H314; STOT SE 3 - H335; STOT RE 2 - H373; Aquatic Chronic 2 - H411; Calculation Method. Org. Perox. F - H242: Expert Judgement.

Training advice

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

Revision comments

The SDS is generated in accordance with the 1907/2006 REACH and 1272/2008 CLP regulations.

Issued By

Simge ARIK - lab@akpakimya.com +90 282 361 80 99

Issued Date

01.02.2018

Revision date

31.05.2019

Revision

1.0

Hazard statements in full

H226

Flammable liquid and vapour.

H242

Heating may cause a fire.

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H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long-lasting effects

Other abbreviations

ACGIH	USA, ACGIH Thershold Limit Values (TLV)
NIOSH REL	USA NIOSH Recommended Exposure Limits
OSHA P0	USA OSHA – TABLE Z-1 Limits for ait contaminants – 1910.1000
OSHA Z-1	USA Occupational Exposure Limits (OSHA) – Table Z-1 Limits for air contaminants

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.