

**SAFETY DATA SHEET****AKPEROX C90**

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 C90  
**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  
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**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** $\alpha,\alpha$ -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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<b><math>\alpha,\alpha</math>-dimethylbenzyl hydroperoxide; cumene hydroperoxide</b>		<b>%87-91</b>	
<b>CAS Number</b>	<b>80-15-9</b>	<b>EC Number</b>	<b>201-254-7</b>
<b>Classification</b>		<b>Specific concentration limits</b>	
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		

<b>2-phenylpropan-2-ol</b>		<b>%5-10</b>	
<b>CAS Number</b>	<b>617-94-7</b>	<b>EC Number</b>	<b>210-539-5</b>
<b>Classification</b>			
Acute Tox. 4	H302		
Skin Irrit. 2	H315		
Eye Irrit. 2	H319		

<b>Acetophenone</b>		<b>%1-3</b>	
<b>CAS Number</b>	<b>98-86-2</b>	<b>EC Number</b>	<b>202-707-8</b>
<b>Classification</b>			
Acute Tox. 4	H302		
Eye Irrit. 2	H319		

<b>Cumene</b>		<b>%1-2,5</b>	
<b>CAS Number</b>	<b>98-82-8</b>	<b>EC Number</b>	<b>202-704-5</b>
<b>Classification</b>			
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.

**SECTION 4: First aid measures****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.

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**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.

**Inhalation**

A single exposure may cause the following adverse effects: Difficulty in breathing. Unconsciousness. Vapors may irritate the respiratory

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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 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

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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****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.

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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
$\alpha,\alpha$ -dimethylbenzyl hydroperoxide	80-15-9	TWA	1 ppm	US WEEL
Cumene	98-82-8	TWA	50 ppm	ACGIH
			50 ppm 245 mg/m <sup>3</sup>	NIOSH REL
				OSHA Z-1
				OSHA P0

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

Substance name	End Use	Exposure routes	Potential health effects	Value
$\alpha,\alpha$ -dimethylbenzyl hydroperoxide	Workers	Inhalation	Long-term exposure	6 mg/m <sup>3</sup>



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

Substance name	Environmental Compartment	Value
<b><math>\alpha,\alpha</math>-dimethylbenzyl hydroperoxide</b>	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 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



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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**

<b>Appearance</b>	Colorless or Light Yellow
<b>Colour</b>	Max. 200 Pt-Co/APHA
<b>Odour</b>	Pungent
<b>Melting point</b>	No data available.
<b>Flash point</b>	No data available.
<b>Flammability (solid, gas)</b>	Not applicable
<b>Density</b>	1,05 - 1,07 gr/cm <sup>3</sup> 20°C

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Viscosity 10,9 mPa.s 20°C

**9.2. Other information**

Active Oxygen Content 9,14 - 9,49 %

**SECTION 10: Stability and reactivity****10.1. Reactivity****Reactivity**

Stable at normal ambient temperatures and when used as recommended.

**10.2. Chemical stability****Stability**

Stable under recommended 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. Static electricity and formation of sparks must be prevented. Avoid exposure to high temperatures or direct sunlight.

**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.

**10.6. Hazardous decomposition products****Hazardous decomposition Products**Methane  
Acetophenone  
2-Phenylisopropanol**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Product Information****Toxicological information****Acute toxicity - oral**LD<sub>50</sub>: 412,51 mg/kg Method: Calculation method**Acute toxicity - dermal**LD<sub>50</sub>: 1228 mg/kg Method: Calculation method**Acute toxicity - inhalation**LC<sub>50</sub>: 0,56 mg/l Method: Calculation method**Serious eye damage/irritation:**

Causes serious eye damage.

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<b>Skin corrosion/irritation:</b>	Causes severe burns.
<b>Respiratory or skin sensitisation:</b>	
<b>Respiratory sensitisation</b>	May cause respiratory irritation.
<b>Skin sensitisation</b>	Based on available data the classification criteria are not met.
<b>Germ cell mutagenicity:</b>	Genotoxicity - In Vitro - In Vivo Based on available data the classification criteria are not met.
<b>Carcinogenicity:</b>	Based on available data the classification criteria are not met.
<b>Reproductive Toxicity - Fertility</b>	May damage the unborn child.
<b>Reproductive Toxicity – Development</b>	Suspected of damaging fertility.
<b>Specific target organ toxicity - single exposure:</b>	
STOT - Single exposure	May cause respiratory irritation.
<b>Specific target organ toxicity - repeated exposure:</b>	
STOT - Repeated exposure	May cause damage to organs through prolonged or repeated exposure.
<b>Aspiration Hazard</b>	Harmful if swallowed or in contact with skin.
<b>Inhalation</b>	A single exposure may cause the following adverse effects: Difficulty in breathing. Unconsciousness.
<b>Ingestion</b>	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.
<b>Skin contact</b>	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.
<b>Eye contact</b>	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.
<b>Route of entry</b>	Ingestion Inhalation Skin and/or eye contact
<b>Target organs</b>	Respiratory system, lungs
<b>Medical considerations</b>	Skin disorders and allergies.

**Toxicology Data For The Ingredients:**

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 **$\alpha,\alpha$ -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.** **$\alpha,\alpha$ -dimethylbenzyl hydroperoxide**

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

**Cumene**

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

<b>UN No. (ADR/RID)</b>	3109
<b>UN No. (IMDG)</b>	3109
<b>UN No. (ICAO)</b>	3109
<b>UN No. (ADN)</b>	3109

**14.2. UN proper shipping name**

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

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**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)**

<b>ADR/RID class</b>	5.2
<b>ADR/RID label</b>	5.2
<b>IMDG class</b>	5.2
<b>ICAO class/division</b>	5.2
<b>ADN class</b>	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.

<b>EmS</b>	F-J, S-R
<b>ADR Transport Category</b>	2
<b>Emergency Action Code</b>	2W
<b>Hazard Identification Number (ADR/RID)</b>	539
<b>Tunnel restriction code</b>	(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**

30.06.2017

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

**Other abbreviations**

<b>ACGIH</b>	USA, ACGIH Thershold Limit Values (TLV)
<b>NIOSH REL</b>	USA NIOSH Recommended Exposure Limits
<b>OSHA PO</b>	USA OSHA – TABLE Z-1 Limits for ait contaminants – 1910.1000
<b>OSHA Z-1</b>	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.