



Akpa Kimya Ambalaj San.ve Tic.Ltd.Şti.



## **SAFETY DATA SHEET** **AKPEROX A50**

According to Regulation (EU) No 453/2010

### **SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

#### **1.1. Product identifier**

**Product name** AKPEROX A50

#### **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 Kimya ve Ambalaj San.Tic.Ltd.Şti  
Beşyol Mah. Birlik Cad. No:12 34295 Küçükçekmece  
İstanbul / Turkey  
TEL:+90 212 580 55 59  
FAX :+90 212 580 55 21  
info@akpakimya.com  
www.akpakimya.com

**Contact Person** Export Department - export@akpakimya.com

#### **1.4. Emergency telephone number**

AKPA Kimya : +90 549 558 4040

### **SECTION 2: HAZARDS IDENTIFICATION**

#### **2.1. Classification of the substance or mixture**

##### **Classification (EC 1272/2008)**

Physical and Chemical Hazards Org. Perox. D - H242  
Human health Acute Tox. 4 - H302;Skin Corr. 1B - H314  
Environment Not classified.

##### **Classification (1999/45/EEC)**

Xn;R22. C;R34. O;R7.

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

##### **Physical and Chemical Hazards**

Closed containers can burst violently when heated, due to excess pressure build-up.  
The product may form explosive vapours/air mixtures even at normal room temperatures.

#### **2.2. Label elements**

**Contain** Methyl ethyl ketone peroxide

**Label In Accordance With (EC) No. 1272/2008**





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<b>Signal Word</b>	Danger	
<b>Hazard Statements</b>	H242	Heating may cause a fire.
	H302	Harmful if swallowed.
	H314	Causes severe skin burns and eye damage.
<b>Precautionary Statements</b>	P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
	P220	Keep away from acids, alkalis, heavy metal compounds, oxidising material, combustible materials.
	P234	Keep only in original container.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P301+312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
	P411+235	Store at temperatures not exceeding (5) – (30)°C. Keep cool.
	P501	Dispose of contents/container in accordance with national regulations.

#### 2.3. Other hazards

No data available.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

<b>Methyl ethyl ketone peroxide</b>	<b>25 – 40 %</b>
*REACH Pre – Reg. No : 05-2115132669-40-0000	
<b>CAS NO: 1338-23-4</b>	<b>EC NO.: 215-661-2</b>
Classification (EC 1272/2008) Org. Perox. C - H242 Acute Tox. 4 - H302 Skin Corr. 1B - H314	Classification (67/548/EEC) Xn; R22. C; R34 O; R7.
<b>Butanone</b>	<b>1 – 5 %</b>
<b>CAS NO: 78-93-3</b>	<b>EC NO.: 201-159-0</b>
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F; R11 Xi; R36 R66 R67

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

**Substances with Exposure Limits** : See section 8

EC NO: 131-11-3	CAS NO: 205-011-6	Dimethyl Phthalate
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### **Composition Comments**

\*Last registration date is 31.05.2018.

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**

NOTE! Effects may be delayed. Keep affected person under observation. Chemical burns must be treated by a physician.

##### **Inhalation**

Remove victim immediately from source of exposure. Keep the affected person warm and at rest. Get prompt medical attention.

##### **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**

Remove victim immediately from source of exposure. 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 immediately. Continue to rinse.

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

##### **Inhalation**

Nausea, vomiting. Dizziness.

##### **Ingestion**

May cause stomach pain or vomiting. Chemical burns.

##### **Skin contact**

May cause serious chemical burns to the skin.

##### **Eye contact**

May cause severe irritation to eyes.

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

Treat Symptomatically.

### **SECTION 5: FIREFIGHTING MEASURES**

#### **5.1. Extinguishing media**

##### **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**

##### **Unusual Fire & Explosion Hazards**

Fire causes formation of toxic gases. Forms explosive mixtures with air.

May explode when heated or when exposed to flames or sparks.



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#### **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.

#### **5.3. Advice for firefighters**

##### **Special Fire Fighting Procedures**

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.

##### **Protective equipment for fire-fighters**

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

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

##### **6.1. Personal precautions, protective equipment and emergency procedures**

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.

##### **6.2. Environmental precautions**

Do not allow ANY environmental contamination.

##### **6.3. Methods and material for containment and cleaning up**

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, lames, 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. DO NOT TOUCH SPILLED MATERIAL! Wear necessary protective equipment.

##### **6.4. Reference to 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**

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. 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**

Flammable/combustible - Keep away from oxidisers, heat and flames.  
Store in tightly closed original container in a dry, cool [(5) – (30)°C] 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.

##### **7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.



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#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
Butanone	WEL	200 ppm(Sk)	600 mg/m <sup>3</sup> (Sk)	300 ppm(Sk)	899 mg/m <sup>3</sup> (Sk)	
Methyl Ethyl Ketone Peroxide	WEL			0.2 ppm	1.5 mg/m <sup>3</sup>	
Dimethyl Phthalate	WEL		5 mg/m <sup>3</sup>		10 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

##### 8.2. Exposure controls

###### Protective equipment



###### Process conditions

Provide eyewash, quick drench.

###### Engineering measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

###### Respiratory equipment

In case of inadequate ventilation use suitable respirator. Check that mask fits tight and change filter regularly.

###### Hand protection

Use protective gloves made of: Neoprene. Nitrile. Rubber (natural, latex). The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

###### Eye protection

If risk of splashing, wear safety goggles or face shield.

###### 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. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

###### Skin protection

Protection suit must be worn.

###### 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	Colourless liquid.
Colour	Colourless.
Odour	Characteristic.
Solubility	Partially soluble in water.



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<b>Relative density</b>	1, 18 gr/cm <sup>3</sup> (@20° C)
<b>Viscosity</b>	24 mPa.s (@20° C)

### **9.2. Other information**

<b>Active Oxygen</b>	8, 8 - 9, 0
<b>SADT</b>	60°C

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1. Reactivity**

There are no known reactivity hazards associated with this product.

### **10.2. Chemical stability**

Stable under normal temperature conditions.

### **10.3. Possibility of hazardous reactions**

Not available.

### **10.4. 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. Heavy metals.

### **10.6. Hazardous decomposition products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Hydrocarbons.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

#### **Toxicological information**

The product is not tested.

#### **Serious eye damage/irritation:**

Causes burns.

#### **Respiratory or skin sensitisation:**

##### **Skin sensitisation**

Not available.

#### **Germ cell mutagenicity:**

##### **Genotoxicity - In Vitro**

Mutagenic – Ames Test.

##### **Genotoxicity - In Vivo**

Not available.

#### **Carcinogenicity:**

Not available.



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### **Reproductive Toxicity:**

#### **Reproductive Toxicity - Fertility**

Not available.

#### **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.

### **Inhalation**

Harmful by inhalation. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

### **Ingestion**

Irritating. May cause nausea, stomach pain and vomiting.

### **Skin contact**

Prolonged and frequent contact may cause redness and irritation.

### **Eye contact**

Causes burns.

### **Toxicological information on ingredients.**

#### **BUTANONE (CAS: 78-93-3)**

<b>Acute Toxic Dose 1 – LD 50</b>	2737	mg/kg	(oral - rat)
<b>Acute Toxic Dose 2 – LD 50</b>	607	mg/kg	(ipr- rat)
<b>Acute Toxic Conc. - LC 50</b>	23500	mg/m <sup>3</sup> /8h	(inh - rat)

#### **Methyl ethyl ketone peroxide (CAS: 1338-23-4)**

<b>Acute Toxic Dose 1 – LD 50</b>	484	mg/kg	(oral - rat)
<b>Acute Toxic Dose 2 – LD 50</b>	500	mg/kg	(dermal - rat)
<b>Acute Toxic Conc. - LC 50</b>	200	ppm/4h	(inh - rat)

## **SECTION 12: ECOLOGICAL INFORMATION**

### **Ecotoxicity**

The product is not expected to be hazardous to the environment. The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### **12.1. Toxicity**

#### **Ecological information on ingredients.**

#### **BUTANONE (CAS: 78-93-3)**

<b>LC 50, 96 Hrs, Fish</b>	3.22	mg/l
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### **12.2. Persistence and degradability**





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### **Degradability**

The product is easily biodegradable.

### **12.3. Bioaccumulative potential**

#### **Bioaccumulative potential**

No data available on bioaccumulation.

### **12.4. Mobility in soil**

#### **Mobility:**

The product is partly miscible with water and may spread in the aquatic environment.

### **12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

### **12.6. Other adverse effects**

May be hazardous to aquatic life.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **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.

### **13.1. Waste treatment 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**

### **14.1. UN number**

UN No. (ADR/RID/ADN)	3105
UN No. (IMDG)	3105
UN No. (ICAO)	3105

### **14.2. UN proper shipping name**

Proper Shipping Name ORGANIC PEROXIDE TYPE D, LIQUID (METHYL ETHYL KETONE PEROXIDE(S))

### **14.3. Transport hazard class(es)**

ADR/RID/ADN Class	5.2
ADR/RID/ADN Class	Class 5.2: Organic peroxides.
ADR Label No.	5.2
IMDG Class	5.2
ICAO Class/Division	5.2

Transport Labels





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#### **14.4. Packing group**

Not applicable.

#### **14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

No.

#### **14.6. Special precautions for user**

EMS F-J, S-R

Emergency Action Code 2WE

Tunnel Restriction Code (D)

#### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No data available.

### **SECTION 15: REGULATORY INFORMATION**

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

##### **Uk Regulatory References**

Health and Safety at Work Act 1974.

Fire precautions Act 1971.

##### **Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

##### **Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Safety Data Sheets for Substances and Preparations.

##### **Guidance Notes**

Workplace Exposure Limits EH40.

CHIP for everyone HSG(108).

##### **EU Legislation**

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

#### **15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

### **SECTION 16: OTHER INFORMATION**

#### **General information**

Only trained personnel should use this material.

#### **Information Sources**



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This SDS is prepared based on the information received from the product owner.

### **Revision Comments**

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

### **Issued By**

Melih Babayiğit / **CRAD** Çevre Risk Analiz Denetim ve Eğitim Hizm. Ltd.Şti.  
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### **Revised By-22.01.2014**

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<b>Revision Date</b>	22.01.2014
<b>Supersedes Date</b>	12.11.2010
<b>Revision</b>	2.0
<b>Issue Date</b>	24.11.2009

### **Risk Phrases In Full**

R34	Causes burns.
R22	Harmful if swallowed.
R11	Highly flammable.
R36	Irritating to eyes.
R7	May cause fire.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

### **Hazard Statements In Full**

EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H242	Heating may cause a fire.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

### **Disclaimer**

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.