

**SAFETY DATA SHEET****AKPROMOTER P100**

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** AKPROMOTER P100  
**Chemical name** Acetyl Acetone

**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  
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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** Flam. Liq. 3 - H226  
**Health hazards** Acute Tox. 4 - H302; Acute Tox. 3 - H311; Acute Tox. 3 - H331  
**Environmental hazards** Not classified.

**2.2. Label elements****Pictogram****Signal Word****Hazard statements****Danger****H226** Flammable liquid and vapour.**H302** Harmful if swallowed.**H311+H331** Toxic in contact with skin or if inhaled.

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**Precautionary statements**

- P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233** Keep container tightly closed.
- P234** Keep only in original container.
- P243** Take precautionary measures against static discharge.
- P261** Avoid breathing vapours/spray.
- P271** Use only outdoors or in a well-ventilated area.
- P280** Wear protective gloves/ protective clothing/eye protection/ face protection.
- P302+P352 IF ON SKIN:** Wash with plenty of water.
- P304+P340 IF INHALED:** Remove person to fresh air and keep comfortable for breathing.
- P311** Call a POISON CENTER or doctor/physician.
- P370+P378** In case of fire: Use extinguishing powder, alcohol-resistant foam or carbon dioxide to extinguish.
- P403+P235** Store in a well-ventilated place. Keep cool.
- P501** Dispose of contents/ container in accordance with national regulations.

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

pentane-2,4-dione; acetylacetone

**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**

<b>Pentane-2,4-dione</b>		<b>%99&lt;</b>	
<b>REACH Reg. No: 01-2119458968-15-0020</b>			
<b>CAS Number</b>	<b>123-54-6</b>	<b>EC Number</b>	<b>204-634-0</b>
<b>Classification</b>			
Flam. Liq. 3	H226		
Acute Tox. 4	H302		
Acute Tox. 3	H311		
Acute Tox. 3	H331		

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**

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<b>General information</b>	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.
<b>Inhalation</b>	Place unconscious person on the side in the recovery position and ensure breathing. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.
<b>Skin contact</b>	Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.
<b>Eye contact</b>	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.
<b>Protection of first aiders</b>	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.
<b>4.2. Most important symptoms and effects, both acute and delayed</b>	
<b>General information</b>	See Section 11/2.2 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>4.3. Indication of any immediate medical attention and special treatment needed</b>	
<b>Notes for the doctor</b>	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.

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#### 5.2. Special hazards arising from the substance or mixture

##### Specific hazards

The product is flammable. Containers can burst violently or explode when heated, due to excessive pressure build-up. Vapours may be ignited by a spark, a hot surface or an ember. Vapours may form explosive mixtures with air. Fire-water run-off in sewers may create fire or explosion hazard.

##### Hazardous decomposition products

Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

#### 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. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. 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

Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

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

##### Methods for cleaning up

Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely.

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Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Use only non-sparking tools. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Do not empty into drains. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

#### 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

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 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

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. Do not store together with fire-promoting and spontaneously inflammable substances or with highly inflammable solids.

#### 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:**

No exposure limits noted for ingredient(s).

**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 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.



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**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>	Liquid.
<b>Colour</b>	Colorless .
<b>Odour</b>	Characteristic.
<b>Melting point / melting range</b>	(-47.5) - (-17.6) °C (-53 - 0 °F)
<b>Boiling point / boiling range</b>	139.5 °C (283 °F)
<b>Flash point</b>	34 °C (93 °F)
<b>Ignition temperature</b>	383 °C (721 °F)
<b>Lower explosion limit (LEL)</b>	2.4 %(V)
<b>Upper explosion limit (UEL)</b>	11.4 %(V)
<b>Vapour pressure</b>	40.4 hPa at 50 °C (122 °F) 21.8 hPa at 38 °C (100 °F) 7.9 hPa at 20 °C (68 °F)
<b>Density</b>	0.980 g/cm <sup>3</sup> at 20 °C (68 °F)
<b>Water solubility / miscibility</b>	154.5 g/l at 20 °C (68 °F)
<b>pH-Value</b>	3.2 at 22 °C (71 °F) (175 g/l H <sub>2</sub> O)

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Distribut. coeff. n-octanol/water	0.68 (Log pOW)
Viscosity (dynamic)	0,99 mPa.s
<b>9.2. Other information</b>	
Odour limit	13 mg/m <sup>3</sup>
Thermal decomposition	Distillable without decomposition at normal pressure. 293 - 389 °C (559 - 732 °F)

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

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

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

Stable under normal temperature conditions and recommended use.

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

No data available.

**10.4. Conditions to avoid****Conditions to avoid**

Avoid heat, flames and other sources of ignition. Avoid contact with acids and oxidising substances.

**10.5. Incompatible materials****Materials to avoid**

Strong oxidizing agents, strong acids, amines, strong bases.

**10.6. Hazardous decomposition products****Hazardous decomposition Products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Product Information****Toxicological information**

After single oral exposure moderate toxic effects are to be expected.  
After single dermal exposure distinct toxic effects are to be expected.  
After short-term inhalative exposure distinct toxic effects are to be expected.

LD50oral

570 mg/kg

LD50dermal

790 mg/kg



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<b>LC50inhalation(vapour)</b>	5.1 mg/l; 4 h
<b>Serious eye damage/irritation:</b>	Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation:</b>	Based on available data the classification criteria are not met.
<b>Respiratory or skin sensitisation:</b>	
<b>Respiratory sensitisation</b>	Based on available data the classification criteria are not met.
<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>	Based on available data the classification criteria are not met.
<b>Reproductive Toxicity – Development</b>	Based on available data the classification criteria are not met.
<b>Specific target organ toxicity - single exposure:</b>	
STOT - Single exposure	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - repeated exposure:</b>	
STOT - Repeated exposure	Based on available data the classification criteria are not met.
<b>Aspiration Hazard</b>	Based on available data the classification criteria are not met.
<b>Inhalation</b>	May cause damage to mucous membranes in nose, throat, lungs and bronchial system. Toxic by inhalation.
<b>Ingestion</b>	Toxic if swallowed. Ingestion of large amounts may cause unconsciousness.
<b>Skin contact</b>	Toxic in contact with skin.
<b>Eye contact</b>	Risk of serious damage to eyes. May cause blurred vision and serious eye damage.

**SECTION 12: Ecological Information**

<b>12.1. Toxicity</b>	The product is not expected to be hazardous to the environment.
<b>12.2. Persistence and degradability</b>	
<b>Persistence and degradability</b>	There are no data on the degradability of this product.
<b>12.3. Bio accumulative potential</b>	
<b>Bio accumulative potential</b>	Bioaccumulation is not expected to occur.

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**12.4. Mobility in soil****Mobility** No data available.**12.5. Results of PBT and vPvB assessment****Results of PBT and vPvB assessment** No data available.**12.6. Other adverse effects****Other adverse effects** No data available.**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. 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>	2310
<b>UN No. (IMDG)</b>	2310
<b>UN No. (ICAO)</b>	2310
<b>UN No. (ADN)</b>	2310

**14.2. UN proper shipping name**

<b>Proper Shipping name(ADR/RID)</b>	PENTANE-2,4-DIONE
<b>Proper Shipping name (IMDG)</b>	PENTANE-2,4-DIONE

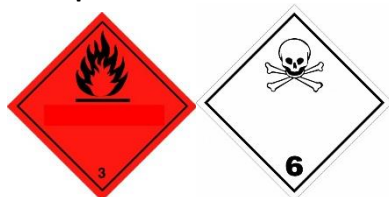
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**Proper Shipping name (ICAO)** PENTANE-2,4-DIONE  
**Proper Shipping name (ADN)** PENTANE-2,4-DIONE

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

**ADR/RID class** 3  
**Sub Risks** 3.1  
**ADR/RID label** 3  
**IMDG class** 3  
**ICAO class/division** 3  
**ADN class** 3

**Transport labels****14.4. Packing group**

**ADR/RID packing group** III  
**IMDG packing group** III  
**ADN packing group** III  
**ICAO packing group** III

**14.5. Environmental hazards****Environmentally hazardous substance/marine pollutant**

No.

**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-E, S-D  
**Emergency Action Code** 2Y  
**Hazard Identification Number (ADR/RID)** 36  
**Tunnel restriction code** (D/E)

**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 - H311; Acute Tox. 3 - H331: Calculation method. Flam. Liq. 3 - H226: 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**

12.11.2010

**Revision date**

04.04.2018

**Revision**

3.0

**Hazard statements in full****H226**

Flammable liquid and vapour.

**H302**

Harmful if swallowed.

**H311**

Toxic in contact with skin.

**H331**

Toxic if inhaled.

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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.