

**Product name:**  
 AMPHITOL 55AB

# CHEMICAL PRODUCT SAFETY DATA SHEET

Prepared in accordance with GB/T 16483 and GB/T 17519.

**1. Identification of the substance or mixture and of the supplier**

**Product name:**  
 AMPHITOL 55AB

**Product No.:** B0001648

**Recommended use and restriction on use**

**Recommended use:** Amphoteric surfactant  
**Restrictions on use:** Not known.

**Manufacturer/Importer/Supplier/Distributor Information**

**Manufacturer**

Company Name:	Kao Corporation
Address:	1-3,Bunka 2-chome,Sumida-ku,Tokyo 131-8501 Japan
Telephone:	+81-3-5630-7700
Fax:	+81-3-5630-7889
Contact division:	Chemical Business
E-mail:	chemical@kao.co.jp

**Emergency telephone number:** 81-3-5630-7700

**2. Hazard(s) identification**

Emergency Overview: Pale yellow, clear Liquid. Odor: Slight characteristic odor. Hazard statements: Causes serious eye damage. May cause an allergic skin reaction. Toxic to aquatic life. Harmful to aquatic life with long lasting effects. Notes to physician: Get medical attention if symptoms occur.

**GHS classification**

**Health Hazards**

Serious Eye Damage/Eye Irritation	Category 1
Skin sensitizer	Category 1

**Unknown toxicity - Health**

Acute toxicity, inhalation, dust or mist	36 %
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**Environmental Hazards**

Acute hazards to the aquatic environment	Category 2
Chronic hazards to the aquatic environment	Category 3

**Unknown toxicity - Environment**

Acute hazards to the aquatic environment	0 %
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Chronic hazards to the aquatic environment 0 %

**Label Elements**

**Pictograms:**



**Signal Word:** Danger

**Hazard Statement:** Causes serious eye damage.  
 May cause an allergic skin reaction.  
 Toxic to aquatic life.  
 Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention:** Avoid breathing dust/fume/gas/mist/vapors/spray.  
 Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/eye protection/face protection.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

**Storage:** -

**Disposal:** Passed to a licensed waste contractor.

**Other hazards which do not result in GHS classification:** None.

**3. Composition/information on ingredients**

**Mixtures**

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)
Cocamide propyl betaine	-	61789-40-0	
Sodium chloride	-	7647-14-5	
Sodium hydroxyacetate	-	2836-32-0	

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#### 4. First-aid measures

##### Description of first aid measures

<b>Inhalation:</b>	Remove person to fresh air and keep comfortable for breathing.
<b>Skin Contact:</b>	Gently wash with plenty of soap and water.
<b>Eye contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Ingestion:</b>	Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.
<b>Personal Protection for First-aid Responders:</b>	No data available.

##### Most important symptoms and effects, both acute and delayed

<b>Symptoms:</b>	No data available.
<b>Hazards:</b>	No data available.

##### Indication of immediate medical attention and special treatment needed

<b>Treatment:</b>	Get medical attention if symptoms occur.
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#### 5. Fire-fighting measures

##### Suitable (and unsuitable) extinguishing media

<b>Suitable extinguishing media:</b>	Powder, alcohol-resistant foam, water spray, carbon dioxide, sand
<b>Unsuitable extinguishing media:</b>	No data available.

<b>Special hazards arising from the substance or mixture:</b>	Produce irritating or toxic gases in a fire.
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##### Special protective equipment and precautions for fire-fighters

<b>Special fire-fighting procedures:</b>	Keep away from sources of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible. Do not flow the materials causing adverse effects into the environment with effluent fire extinguishing agents. Product itself is non-combustible.
<b>Special protective equipment for fire-fighters:</b>	Use goggles in combination with dust mask, and other protections as appropriate to situation. Risk of producing harmful gases such as carbon monoxide and nitrogen oxides. Avoid inhalation of smoke or gases.

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## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures:</b>	Use goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation.
<b>Methods and material for containment and cleaning up:</b>	Small spills: Absorb spills with sand, inert absorbent, waste cloth or sawdust. Then wipe up remainder in waste cloth. Large spills: Dike spills and dispose of in safe area.
<b>Environmental Precautions:</b>	Avoid release to the environment.
<b>Prevention of secondary hazards:</b>	No data available.

## 7. Handling and storage

### Handling

<b>Technical measures:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
<b>Local/Total ventilation:</b>	Use an adequate ventilation.
<b>Safe handling advice:</b>	Avoid contact with eyes. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.
<b>Contact avoidance measures:</b>	No data available.

### Storage

<b>Safe storage conditions:</b>	Store locked up. Keep container tightly closed. Store in a well-ventilated place.
<b>Safe packaging materials:</b>	No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

<b>Appropriate Engineering Controls:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use an adequate ventilation.
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### Individual protection measures, such as personal protective equipment

<b>Eye/face protection:</b>	Safety goggles
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<b>Hand Protection:</b>	Material: Rubber gloves
<b>Skin and Body Protection:</b>	Full-body suit
<b>Respiratory Protection:</b>	Use as appropriate to situation.
<b>Hygiene measures:</b>	No data available.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	Liquid
<b>Form:</b>	Liquid
<b>Color:</b>	Pale yellow, clear
<b>Odor:</b>	Slight characteristic odor
<b>Odor Threshold:</b>	No data available.
<b>Freezing point:</b>	< 20 °C/68 °F
<b>Boiling Point:</b>	No data available.
<b>Flammability:</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Flash Point:</b>	No data available.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>pH:</b>	7(1% solution)

#### Viscosity

<b>Dynamic viscosity:</b>	13 mPa.s at 25 °C/77 °F 12.2 mPa.s at 30 °C/86 °F 11 mPa.s at 40 °C/104 °F
<b>Kinematic viscosity:</b>	No data available.
<b>Flow Time:</b>	No data available.

#### Solubility(ies)

<b>Solubility in Water:</b>	Very Soluble
<b>Solubility (other):</b>	Soluble in methanol Soluble in ethanol and insoluble in n-hexane
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Density:</b>	1.058 g/ml at 25 °C/77 °F

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	1.056 g/ml at 30 °C/86 °F
	1.051 g/ml at 40 °C/104 °F
<b>Relative vapor density:</b>	No data available.
<b>Particle characteristics</b>	
<b>Particle Size:</b>	No data available.
<b>Particle Size Distribution:</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable in general.
<b>Possibility of hazardous reactions:</b>	Has no self-reactivity.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	No special hazardous and harmful combustion or decomposition.

## 11. Toxicological information

### Acute toxicity (list all possible routes of exposure)

<b>Oral</b>	
<b>Product:</b>	LD 50 (Rat): > 2,000 mg/kg Not classified Not classified based on available data.
<b>Dermal</b>	
<b>Product:</b>	ATEmix 7,936.51 mg/kg
<b>Inhalation</b>	
<b>Product:</b>	Dust and mist: Classification not possible due to insufficient data. Vapour: No data available. Not classified based on available data of component(s).

### Skin Corrosion/Irritation

<b>Product:</b>	OECD TG404 Rabbit, 4 h: Non irritant Not classified based on available data.
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### Serious Eye Damage/Eye Irritation

<b>Product:</b>	OECD TG405 Rabbit: Severe
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### Respiratory or Skin Sensitization

<b>Product:</b>	Respiratory: Classification not possible due to insufficient data.
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### Skin sensitization Components:

Cocamide propyl betaine	Category 1: (88)
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**Carcinogenicity**

**Product:** Classification not possible due to insufficient data.

**Germ Cell Mutagenicity**

**In vitro**

**Product:** Ames test (TA98, TA100): Negative  
 Classification not possible due to insufficient data.

**In vivo**

**Product:** Classification not possible due to insufficient data.

**Reproductive toxicity**

**Product:** Classification not possible due to insufficient data.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** Classification not possible due to insufficient data.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** Classification not possible due to insufficient data.

**Aspiration Hazard**

**Product:** Classification not possible due to insufficient data.

**Other effects:** No data available.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** LC 50 (Rainbow Trout, 96 h): 5.7 mg/l

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Components:**

Cocamide propyl betaine Category 2: (88)  
 Sodium hydroxyacetate Category 3: (4)

**Chronic hazards to the aquatic environment**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Components:**

Cocamide propyl betaine Category 3: (88)

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**Persistence and Degradability**

**Biodegradation**

**Product:** 94 % (28 d, OECD TG301B) Readily biodegradable

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects:** No data available.

**13. Disposal considerations**

**Disposal methods:** Review "HANDLING AND STORAGE (Section 7)". Passed to a licensed waste contractor. Incinerate with little portions. Risk of producing harmful gases such as carbon monoxide and nitrogen oxides.

**Contaminated Packaging:** No data available.

**14. Transport information**

**IMDG**  
 Not Regulated.

**IATA**  
 Not Regulated.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
 Not applicable for product as supplied.

**National Regulations**

**Domestic Standard:** In compliance with domestic law.

**15. National and international regulatory information**

Should comply with local regulations in respect of this product.

**China. Catalog of Hazardous Chemicals**  
 Not Regulated



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**China. Precursor Chemicals (Decree No. 445 of the PRC on Regulation for Administration of Precursor Chemicals, Appendix: Categories 1-3)**  
 Not Regulated

**China: CWC. Controlled Chemicals List (Regulations on the Administration of Controlled Chemicals, Decree No. 190, Dec. 27, 1995, as amended)**  
 Not Regulated

**China. Explosive Precursor Hazardous Chemicals (Ministry of Public Safety, 2011 version)**  
 Not Regulated

**Inventory Status:**

<b>US TSCA Inventory:</b>	On or in compliance with the inventory
<b>Canada DSL Inventory List:</b>	On or in compliance with the inventory
<b>Australia AICS:</b>	On or in compliance with the inventory
<b>Korea Existing Chemicals Inv. (KECI):</b>	Contact us for information
<b>Japan (ENCS) List:</b>	On or in compliance with the inventory
<b>Japan ISHL Listing:</b>	On or in compliance with the inventory
<b>Philippines PICCS:</b>	On or in compliance with the inventory
<b>China Inv. Existing Chemical Substances:</b>	On or in compliance with the inventory
<b>REACH (EU):</b>	Contact us for information
<b>Taiwan Chemical Substance Inventory:</b>	On or in compliance with the inventory

<b>16. Other Information</b>
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<b>Version #:</b>	1.0
<b>Revision Date:</b>	13.12.2023
<b>Issue Date:</b>	13.12.2023
<b>Further Information:</b>	No data available.
<b>Revision Information</b>	Not relevant.
<b>Training information</b>	No data available.

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**Reference:**

- (4): Biodegradation and Bioconcentration of the Existing Chemical Substances under the Chemical Substances Control Law
- (88): ECHA-REACH Registered Substances Database