

SAFETY DATA SHEET

1. Product and company identification

Name of chemical (Product name): AMPHITOL 20Y-B

Product No.: B0001644

Manufacturer/Importer/Distributor Information

Information on domestic 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

Intended Use: Quasi-drug use and cosmetic use

Restrictions on use: Please refer to Sec.2, 4, 7, 8, 10 and 13.

Emergency telephone number: 81-3-5630-7700

2. Hazard(s) identification

GHS classification

Physical Hazards

Flammable liquids	Category 3
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Health Hazards

Serious Eye Damage/Eye Irritation	Category 1
Toxic to reproduction	Category 1A

Unknown toxicity - Health

Acute toxicity, oral	40 %
Acute toxicity, dermal	40 %
Acute toxicity, inhalation, dust or mist	58 %

Environmental Hazards

Acute hazards to the aquatic environment	Category 2
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Unknown toxicity - Environment

Acute hazards to the aquatic environment	0 %
Chronic hazards to the aquatic environment	40 %

Label Elements

Pictograms:



Signal Word:

Danger

Hazard Statement:

Flammable liquid and vapor.
 Causes serious eye damage.
 May damage fertility or the unborn child.
 Toxic to aquatic life.

Precautionary Statements

Prevention:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid release to the environment. Wear protective gloves/eye protection/face protection. This product may form partially precipitate according to the storage condition. In that case, please warm-up for dissolving, then use as homogeneous liquid.

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 (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash with plenty of soap and water. IF exposed or concerned: Get medical advice/attention. In case of fire : Keep away from sources of ignition and use appropriate extinguishing media.

Storage:

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal:

Passed to a licensed waste contractor.

Other hazards which do not result in GHS classification:

None.

3. Composition/information on ingredients

Mixtures

Chemical name or generic name	CAS number	ISHL	ENCS	Content in percent (%)
[N-Cocoyl-(2-aminoethyl)-N-(2-hydroxyethyl)-N-sodiumcarboxymethyl]ethylenediamine	90387-76-1			40%
Ethanol	64-17-5	YES	YES	10%
Sodium chloride	7647-14-5	YES	YES	

4. First-aid measures

Description of first aid measures

Inhalation: Remove person to fresh air and keep comfortable for breathing.

Skin Contact: Take off immediately all contaminated clothing. Rinse skin with water/shower.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Ingestion: Immediately call a POISON CENTER/doctor.

Personal Protection for First-aid Responders: No data available.

Most important symptoms and effects, both acute and delayed

Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: Get medical attention if symptoms occur.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Powder, alcohol-resistant foam, water spray, carbon dioxide, sand

Unsuitable extinguishing media: No data available.

Special hazards arising from the substance or mixture: Produce irritating or toxic gases in a fire.

Special protective equipment and precautions for fire-fighters

Special fire-fighting procedures: 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.

Special protective equipment for fire-fighters:

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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation.

Methods and material for containment and cleaning up:

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.

Environmental Precautions:

Avoid release to the environment.

Prevention of secondary hazards:

Keep away from sources of ignition and prepare extinguishing media. Do not use tools producing sparks

7. Handling and storage

Handling

Technical measures:

Use explosion-proof electrical equipment and prevent from static electrocity. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Local/Total ventilation:

Use an adequate ventilation.

Safe handling advice:

Keep away from source of ignition. Avoid contact with eyes. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required. This product may form partially precipitate according to the storage condition. In that case, please warm-up for dissolving, then use as homogeneous liquid.

Contact avoidance measures:

No data available.

Storage

Safe storage conditions:

Store locked up. Keep away from source of ignition. Keep container tightly closed. Store in a well-ventilated place.

Safe packaging materials:

No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Product: None known.

Individual protection measures, such as personal protective equipment

- Eye/face protection:** Safety glasses with side shield(Safety goggles or Face shield)
- Hand Protection:** Material: Rubber gloves
- Skin and Body Protection:** Full-body suit
- Respiratory Protection:** Use chemical cartridge respirator for organic solvents, as appropriate to situation.
- Hygiene measures:** No data available.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

- Physical state:** Liquid
- Form:** Liquid
- Color:** Pale yellow, clear
- Odor:** Slight characteristic odor
- Odor Threshold:** No data available.
- Freezing point:** < 20 °C/68 °F
- Boiling Point:** No data available.
- Flammability:** No data available.
- Upper/lower limit on flammability or explosive limits**
- Explosive limit - upper:** No data available.
- Explosive limit - lower:** No data available.
- Flash Point:** 27 °C/81 °F (Setaflash Closed Cup)
- Auto-ignition temperature:** > 100 °C/212 °F
- Decomposition Temperature:** No data available.
- pH:** 10 (1% solution)

Viscosity

- Dynamic viscosity:** 185 mPa.s at 25 °C/77 °F
 115 mPa.s at 35 °C/95 °F
 68 mPa.s at 50 °C/122 °F

Kinematic viscosity:	No data available.
Flow Time:	No data available.
Solubility(ies)	
Solubility in Water:	Very Soluble
Solubility (other):	Soluble in ethanol and methanol Insoluble in n-hexane
Partition coefficient (n-octanol/water):	No data available.
Vapor pressure:	No data available.
Relative density:	No data available.
Density:	1.097 g/ml at 25 °C/77 °F 1.086 g/ml at 35 °C/95 °F 1.07 g/ml at 50 °C/122 °F
Relative vapor density:	No data available.
Particle characteristics	
Particle Size:	No data available.
Particle Size Distribution:	No data available.

10. Stability and reactivity

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

11. Toxicological information

Acute toxicity (list all possible routes of exposure)

Oral Product:	Classification not possible due to insufficient data.
Dermal Product:	Classification not possible due to insufficient data.
Inhalation Product:	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

Product: Classification not possible due to insufficient data.

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

[N-Cocoyl-(2-aminoethyl)-
 N-(2-hydroxyethyl)-N-
 sodiumcarboxymethyl]eth
 ylenediamine Category 1: (99)

Ethanol Category 2: (88)

Sodium chloride Category 2A: (2)

Respiratory or Skin Sensitization

Product: Skin: Classification not possible due to insufficient data.
 Respiratory: Classification not possible due to insufficient data.

Carcinogenicity

Product: Classification not possible due to insufficient data.

IARC:

No carcinogenic components identified

ACGIH:

No carcinogens present or none present in regulated quantities

NTP:

No carcinogenic components identified

JSOH:

No carcinogenic components identified

EU

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: Classification not possible due to insufficient data.

In vivo

Product: Classification not possible due to insufficient data.

Reproductive toxicity

Product: No data available.

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: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

[N-Cocoyl-(2-aminoethyl)-
 N-(2-hydroxyethyl)-N-
 sodiumcarboxymethyl]eth
 ylenediamine

Category 2: (99)

Chronic hazards to the aquatic environment

Fish

Product: Classification not possible due to insufficient data.

Aquatic Invertebrates

Product: Classification not possible due to insufficient data.

Persistence and Degradability

Biodegradation

Product: No data available.

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.

Hazardous to the ozone layer:

Not Regulated

Further Information:

No data available.

13. Disposal considerations

Disposal methods: Review "HANDLING AND STORAGE (Section 7)". Passed to a licensed waste contractor. This material is containing flammable materials. Be careful in case of incineration. Remove the contents completely in case of disposal of the container. Incinerate with little portions. Risk of producing harmful gases such as carbon monoxide and nitrogen oxides.

Contaminated Packaging: No data available.

14. Transport information

International regulations

IMDG

UN Number:	UN 1170
UN Proper Shipping Name:	ETHANOL SOLUTION
Transport Hazard Class(es)	
Class:	3
Label(s):	3
EmS No.:	F-E, S-D
Packing Group:	III
Limited quantity	5.00L
Excepted quantity	E1
Environmentally Hazardous:	No
Marine Pollutant:	No
Special precautions for user:	Not Regulated.

IATA

UN Number:	UN 1170
UN Proper Shipping Name:	Ethanol solution
Transport Hazard Class(es):	
Class:	3
Label(s):	3
Packing Group:	III
Excepted quantity	E1
Environmentally Hazardous:	No
Marine Pollutant:	No
Special precautions for user:	Not Regulated.
Other information	
Passenger and cargo aircraft:	Allowed. 355
Cargo aircraft only:	Allowed. 366

UN Proper Shipping Name (JP): エタノール溶液

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.

Emergency Response Guide Number: 127

15. Regulatory information

Industrial Safety and Health Law

Dangerous substances

Flammable materials

Specified Substances Regulation

Class 1 designated chemical substances:

Not Regulated

Class 2 designated chemical substances:

Not Regulated

Class 3 designated chemical substances:

Not Regulated

Ordinance on Prevention of Lead Poisoning:

Not Regulated

Ordinance on Prevention of Tetraalkyl Lead Poisoning:

Not Regulated

Notifiable substances (wt% is sometimes described by range because it's CBI.):

Ethanol 10%

Labeling substances:

Ethanol

Confirmed mutagens among the notified chemical substances:

Not Regulated

Confirmed mutagens among the existing chemical substances:

Not Regulated

Confirmed carcinogenic chemical substances:

Not Regulated

Poisonous and Deleterious Substances Control Act

Not Regulated

Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.

Not Regulated

Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof

Not Regulated.

Fire Service Act:

Group 4: Flammable liquids, Type 2 petroleum, Water soluble liquid, Designated Quantity (2000 litre)
 Hazardous rank III

Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule:

Flammable liquids

Air Law, Enforcement Rule:

Flammable liquids

Explosives Control Act:

Not Regulated

High Pressure Gas Safety Act:

Not Regulated

Export Trade Control Order:

Not Regulated

Inventory Status:

US TSCA Inventory:	Not in compliance with the inventory
Canada DSL Inventory List:	Not in compliance with the inventory
Australia AICS:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	Not in compliance with the inventory
Japan (ENCS) List:	On or in compliance with the inventory
Japan ISHL Listing:	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
REACH (EU):	Contact us for information
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory

16. Other Information

Disclaimer:

To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability (including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another, in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist. In the case of the product for fragrance, it's in accordance with the latest standard of IFRA within ordinary use. Contact with the supplier for detail information.

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Reference:

- Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS) (JIS Z 7253 : 2019)
- International Chemical Safety Cards(ICSC) (Compiler's Guide)(1994)
- GHS guideline -- Labelling and Safety Data Sheet (2019) Japan Chemical Industry Association
- (2): Registry of Toxic Effects of Chemical Substances
- (88): ECHA-REACH Registered Substances Database
- (99): Internal study data