

Product name:
AKYPO RLM 45 CA

SAFETY DATA SHEET

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

Product name:

AKYPO RLM 45 CA

Product No.: B0002320

Recommended use of the chemical and restrictions on use

Recommended use: Not known.

Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Manufacturer

Company Name: Kao Chemicals GmbH
Address: Kupferstrasse 1, D-46446 Emmerich, Germany
Telephone: +49-2822-7110
Fax: +81-3-5630-7889
Contact division: -
E-mail: -

Emergency telephone number: +49-2822-7110

2. Hazard(s) identification

GHS classification

Health Hazards

Skin Corrosion/Irritation Category 3
Serious Eye Damage/Eye Irritation Category 2A

Unknown toxicity - Health

Acute toxicity, dermal 90 %
Acute toxicity, inhalation, dust or mist 92 %

Environmental Hazards

Acute hazards to the aquatic environment Category 2

Unknown toxicity - Environment

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

Label Elements

Pictograms:

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Signal Word: Warning

Hazard Statement: Causes mild skin irritation.
 Causes serious eye irritation.
 Toxic to aquatic life.

Precautionary Statements

Prevention: Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/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. If eye irritation persists: Get medical advice/attention. If skin irritation 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

Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)
聚氧乙烯月桂醚羧酸 Polyoxyethylene(5) lauryl ether carboxylic acid	-	27306-90-7	90%
月桂醇聚氧乙烯醚 Polyoxyethylene(5) lauryl ether	-	9002-92-0	2%

4. First-aid measures

Description of first aid measures

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

Skin Contact: Gently wash with plenty of soap and water.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms persist.

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Ingestion: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

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: No data available.

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.

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.

Accidental release measures: No data available.

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.

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7. Handling and storage

Handling

Technical measures:	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:	Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required.
Contact avoidance measures:	No data available.

Storage

Safe storage conditions:	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

None of the components have assigned exposure limits.

Engineering measures:	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

Eye/face protection:	Safety glasses
Hand Protection:	Material: Rubber gloves
Skin and Body Protection:	Full-body suit
Respiratory Protection:	Use 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:	Clear to light yellow
Odor:	Characteristic odour
Odor Threshold:	No data available.

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Freezing point:	No data available.
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:	> 100 °C/> 212 °F (Cleveland Open Cup)
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
pH:	2.5 - 3.5(1% Aqueous solution)
Viscosity	
Dynamic viscosity:	500 mPa.s(20 °C/68 °F)
Kinematic viscosity:	No data available.
Flow Time:	No data available.
Solubility(ies)	
Solubility in Water:	Soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Vapor pressure:	No data available.
Relative density:	No data available.
Density:	1.01 g/ml (20 °C/68 °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
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	No data available.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

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11. Toxicological information

Acute toxicity (list all possible routes of exposure)

Oral

Product: LD 50 (Rat): > 2,000 mg/kg Not classified
 Not classified based on available data.

Dermal

Product: ATEmix 12,500 mg/kg

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: Mild irritant

Serious Eye Damage/Eye Irritation

Product: , Moderate

Respiratory or Skin Sensitization

Product: Skin: No data available.
 Not classified based on available data of component(s).
 Respiratory: Classification not possible due to insufficient data.

Carcinogenicity

Product: Classification not possible due to insufficient data.

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: 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.

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12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: LC 50 (Rainbow Trout, 96 h): 7.5 mg/l

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

聚氧乙烯月桂酰羧酸 Category 2 (98)

Polyoxyethylene(5) lauryl
ether carboxylic acid

月桂醇聚氧乙烯醚 Category 2 (98)

Polyoxyethylene(5) lauryl
ether

Chronic hazards to the aquatic environment

Fish

Product: No data available.
Not classified based on available data of component(s).

Aquatic Invertebrates

Product: No data available.
Not classified based on available data of component(s).

Components:

月桂醇聚氧乙烯醚 Category 3 (98)

Polyoxyethylene(5) lauryl
ether

Persistence and Degradability

Biodegradation

Product: 89 % (28 d, OECD TG301D)

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.

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13. Disposal considerations

Disposal methods: Review "HANDLING AND STORAGE (Section 7)". Passed to a licensed waste contractor.

Contaminated Packaging: No data available.

14. Transport information

IATA
Not Regulated

IMDG
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. Regulatory information

National regulatory information:

Regulations on Occupational Safety and Health Facilities

Standards for the Storage, Cleanup, Handling and Disposal of Industrial Waste.

Regulations on Labelling and Hazard Communication of Hazardous Chemicals

Inventory Status:

US TSCA Inventory:	On or 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):	Contact us for information
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

Issue Date: 2020.08.07

Version #: 2.0

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Organization that prepared the SDS and SDS Author:

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23143, Taiwan R.O.C.
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Further Information: No data available.

References: No data available.

Revision Information Not relevant.

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.

Reference:
(98): CESIO RECOMMENDATIONS for the harmonized classification and labelling of surfactants (May 2021)