

SAFETY DATA SHEET

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

GHS Product identifier: AMINON C-02S

Other means of identification

SDS number: B0007098

Recommended use of the chemical and restrictions on use

Recommended use: Not available.

Recommended restrictions: Not known.

Supplier's details

Manufacturer

Company Name: Kao Industrial (Thailand) Co.,Ltd.
Address: 55 Wave Place Bldg., 15th Floor., Wireless Rd., Lumpini, Pathumwan, Bangkok
10330 Thailand
Telephone: +66-2-655-4433 to 35
Fax: +66-2-655-4335
Division: Chemical Business

Emergency telephone number: 66-2-655-4433

2. Hazard(s) identification

GHS classification of substance or mixture, and national or regional information:

Health Hazards

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 1
Germ Cell Mutagenicity	Category 2
Carcinogenicity	Category 2
Toxic to reproduction	Category 2
Specific Target Organ Toxicity - Single Exposure	Category 2 ¹
Specific Target Organ Toxicity - Repeated Exposure	Category 2 ²

Target Organs

1. Liver
2. Thyroid, Liver, Kidney, respiratory tract

Environmental Hazards

Acute hazards to the aquatic environment	Category 2
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Label Elements

Pictograms:



Signal Word:

Danger

Hazard Statement: Causes skin irritation.
 Causes serious eye damage.
 Suspected of causing genetic defects.
 Suspected of causing cancer.
 Suspected of damaging fertility or the unborn child.
 May cause damage to organs.
 May cause damage to organs through prolonged or repeated exposure.
 Toxic to aquatic life.

Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. 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. Immediately call a POISON CENTER/doctor. IF ON SKIN: Gently wash with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

Storage: Store locked up.

Disposal: Passed to a licensed waste contractor.

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

Unknown toxicity - Health

Acute toxicity, inhalation, dust or mist	100 %
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Unknown toxicity - Environment

Acute hazards to the aquatic environment	0 %
Chronic hazards to the aquatic environment	87.3 %

3. Composition/information on ingredients

Substances

Chemical Identity	Common name and synonyms	CAS number	Concentration*
Coconut oil fatty acid diethanolamide	No data available.	68603-42-9	
Diethanolamine	No data available.	111-42-2	<5%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Description of necessary first-aid measures

Ingestion:	Immediately call a POISON CENTER/doctor.
Inhalation:	Remove person to fresh air and keep comfortable for breathing.
Skin Contact:	If skin irritation occurs, get medical advice/attention. Flush skin with running water. Take off contaminated clothing and wash before re-use. Immediately call a POISON CENTER/doctor.
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.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

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

Unsuitable extinguishing media: No data available.

Specific hazards arising from the chemical: Produce irritating or toxic gases in a fire.

Special protective action 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.
Environmental Precautions:	Avoid release to the environment.
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.
Notification Procedures:	Keep away from sources of ignition and prepare extinguishing media.

7. Handling and storage

Precautions to ensure safe handling:	Keep away from source of ignition. 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. Do not eat, drink or smoke when using the product.
Conditions for safe storage, including any incompatibilities:	Keep container tightly closed. Store in a well-ventilated place. Store locked up. Keep away from source of ignition.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Diethanolamine	TWA	1 mg/m ³	Thailand. OELs (DLPW Notification Re: Occupational Exposure Limits for Hazardous Chemicals), as amended (08 2017)
Diethanolamine - Inhalable fraction and vapor.	TWA	1 mg/m ³	US. ACGIH Threshold Limit Values, as amended (2009)

Appropriate Engineering Controls:	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 goggles
Hand Protection:	Rubber gloves
Other:	Full-body suit
Respiratory Protection:	Use as appropriate to situation.
Hygiene measures:	No data available.

9. Physical and chemical properties

Appearance

SDS TH-B0007098-A

Physical state:	liquid
Form:	Liquid
Color:	Pale yellow
Odor:	Slight characteristic odor
Odor Threshold:	No data available.
pH:	10.4 (1% solution(10%EtOH solution))
Freezing point:	< 20 °C
Boiling Point:	No data available.
Flash Point:	183.0 °C (Cleveland open cup)
Evaporation Rate:	No data available.
Flammability:	No data available.
Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.
Vapor pressure:	No data available.
Relative vapor density:	No data available.
Density:	No data available.
Relative density:	No data available.
Solubility in Water:	Emulsifiable in water.
Solubility (other):	Soluble in various organic solvents
Partition coefficient (n-octanol/water):	No data available.
Self Ignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Kinematic viscosity:	No data available.
Dynamic viscosity:	215 mPa.s (30 °C)

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	No data available.
Possibility of hazardous reactions:	Has no self-reactivity. Reacts with acids.
Conditions to avoid:	No data available.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	Carbon monoxide Nitrogen oxides

11. Toxicological information

Acute toxicity (list all possible routes of exposure)

Oral	
Product:	ATEmix: 43,243 mg/kg
Dermal	
Product:	No data available. Not classified based on available data of component(s).

Inhalation

Product: Dusts, mists and fumes: Classification not possible due to insufficient data.
Vapour: No data available.
Not classified based on available data of component(s).

Skin Corrosion/Irritation

Product: No data available.

Components:

Coconut oil fatty acid diethanolamide Category 2: (99)

Diethanolamine Category 2: (87)

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

Coconut oil fatty acid diethanolamide Category 1: (99)

Diethanolamine Category 1: (87)

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: No data available.

Components:

Coconut oil fatty acid diethanolamide Category 2: (52)

Diethanolamine Category 2: (52)

IARC:

Coconut oil fatty acid diethanolamide Group 2B. Possibly carcinogenic to humans.

Diethanolamine Group 2B. Possibly carcinogenic to humans.

ACGIH:

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Components:

Coconut oil fatty acid diethanolamide Category 2 (1)

Reproductive toxicity

Product: No data available.

Components:

Diethanolamine Category 2: (1)

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:
Diethanolamine Category 1: Liver: (1)
Category 2: Kidney, Respiratory system: (1)

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:
Coconut oil fatty acid diethanolamide Category 2: Thyroid, Liver, Kidney: (1)
Diethanolamine Category 1: respiratory tract: (1)
Category 2: Blood, Kidney, Liver: (1)

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:
Coconut oil fatty acid diethanolamide Category 2: (3)
Diethanolamine Category 2: (88)

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.

Components:
Diethanolamine Category 3: (88)

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.

Known or predicted distribution to environmental compartments

Coconut oil fatty acid No data available.

diethanolamide

Diethanolamine No data available.

Other adverse effects: No data available.

13. Disposal considerations

Disposal methods

Disposal instructions: 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

IATA

Not regulated.

IMDG

Not regulated.

15. Regulatory information

Safety, health and environmental regulations specific for the product in question

Thailand. Hazardous Substances Prohibited from On-line Notification System (Notification of Ministry of Industry, B.E. 2547)

Thailand. Notification of Ministry of Industry, Re: List of Hazardous Substances B.E. 2538

Thailand. Hazardous Substances under Chapter 3, Duties and Civil Liabilities (Notification of Ministry of Industry Re: Hazardous Substances under Chapter 3 of Hazardous Substances Act)

Thailand. Notification of the Ministry of Interior, Re: Work Safety Relating to Dangerous Chemicals

Thailand. Notification of the Ministry of Interior, Re: Work Safety Relating to More Dangerous Chemicals

Thailand. Reportable Hazardous Substances (Notification of Ministry of Industry Re: Bases respecting report of quantity of hazardous materials under Department of Industrial Works, B.E. 2547)

Not Regulated

Inventory Status:

US TSCA Inventory:	On or in compliance with the inventory
Canada DSL Inventory List:	On or 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, including date of preparation or last revision

Issue Date:	04.01.2021
Revision Date:	
Version #:	1.0
Source of information:	No data available.
Further Information:	No data available.

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:

- (1): GHS Classification Database, National Institute of Technology and Evaluation (NITE)
- (3): IUCLID
- (52): IARC Monographs
- (87): EU CLP Regulation Annex VI
- (88): ECHA-REACH Registered Substances Database
- (99): Internal study data