

# SAFETY DATA SHEET

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

**GHS Product identifier:** FARMIN DM2458

**Other means of identification**

**SDS number:** B0002118

**Recommended use of the chemical and restrictions on use**

**Recommended use:** Not available.

**Recommended restrictions:** Not known.

**Supplier's details**

**Manufacturer**

Company Name:	Pilipinas Kao Inc.
Address:	JASAAN MISAMIS ORIENTAL ECOZONE, 9003 Jasaan, Misamis Oriental, Philippines
Telephone:	+63-88-890-5020
Fax:	+63-88-890-5020 local 199
Contact division:	-
E-mail:	-

**Emergency telephone number:** 63-88-890-5020

**2. Hazard(s) identification**

**GHS classification**

**Physical Hazards**

Corrosive to metal Category 1

**Health Hazards**

Acute toxicity (Oral) Category 4

Acute toxicity (Dermal) Category 5

Skin Corrosion/Irritation Category 1

Serious Eye Damage/Eye Irritation Category 1

**Unknown toxicity - Health**

Acute toxicity, inhalation, dust or mist 100 %

**Environmental Hazards**

Acute hazards to the aquatic environment Category 1

Chronic hazards to the aquatic environment Category 1

**Unknown toxicity - Environment**

Acute hazards to the aquatic environment 0 %

Chronic hazards to the aquatic environment 0 %

**Label Elements**

**Pictograms:**



**Signal Word:**

Danger

**Hazard Statement:**

May be corrosive to metals.  
 Harmful if swallowed.  
 May be harmful in contact with skin.  
 Causes severe skin burns and eye damage.  
 Very toxic to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention:**

Keep only in original packaging. 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 INHALED: Remove person to fresh air and keep comfortable for breathing. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Immediately wash material off the skin thoroughly with 2% acetic acid and plenty of water until slimy feeling disappears. Wash contaminated clothing before reuse. Immediately call a POISON CENTER/doctor. Absorb spillage to prevent material damage.

**Storage:**

Store in corrosive resistant container with a resistant inner liner. 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**

**Substances**

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)
Alkyl(C12-16)dimethyl amines		68439-70-3	

**4. First-aid measures**

**Description of first aid measures**

<b>Inhalation:</b>	Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
<b>Skin Contact:</b>	Remove/take off immediately all contaminated clothing. Immediately wash material off the skin thoroughly with 2% acetic acid and plenty of water until slimy feeling disappears. Call a POISON CENTER/doctor if you feel unwell. Wash contaminated clothing before reuse.
<b>Eye contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
<b>Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.
<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, 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.

**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.
<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.

**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>Accidental release measures:</b>	Keep away from sources of ignition and prepare extinguishing media.
<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.

**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. Iron is apt to rust. Plant equipment should be treated with rust-resist.
<b>Local/Total ventilation:</b>	Use an adequate ventilation.
<b>Safe handling advice:</b>	Keep away from source of ignition. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using the product. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required. Avoid contact with acids.
<b>Contact avoidance measures:</b>	No data available.

**Storage**

<b>Safe storage conditions:</b>	Store locked up. Keep away from source of ignition. Keep container tightly closed. Store in a well-ventilated place. Keep under nitrogen. Do not store with acids. Store in corrosive resistant container with a resistant inner liner. Do not store with acids.
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**Safe packaging materials:** No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

#### Appropriate Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use an adequate ventilation. Iron is apt to rust. Plant equipment should be treated with rust-resist.

### Individual protection measures, such as personal protective equipment

**Eye/face protection:** Safety goggles or Face shield

**Hand Protection:** Gloves (alkali-resistant)

**Other:** Alkali-resistant protective clothing

**Respiratory Protection:** Use chemical cartridge respirator for alkalines, 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:** Colorless clear

**Odor:** Amine-like odor

**Odor Threshold:** No data available.

**Freezing point:** -12.9 °C/8.8 °F

**Boiling Point:** > 40 °C/104 °F

**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:** 137 °C/279 °F  
 Method: Cleveland open cup

**Auto-ignition temperature:** > 100 °C/212 °F

**Decomposition Temperature:** No data available.

**pH:** No data available.

<b>Viscosity</b>	
Dynamic viscosity:	No data available.
Kinematic viscosity:	No data available.
Flow Time:	No data available.
<b>Solubility(ies)</b>	
Solubility in Water:	Insoluble in water
Solubility (other):	Soluble in various organic solvents
Partition coefficient (n-octanol/water):	No data available.
Vapor pressure:	No data available.
Relative density:	No data available.
Density:	0.7989 g/ml at 10 °C/50 °F 0.792 g/ml at 20 °C/68 °F
Relative vapor density:	No data available.
<b>Particle characteristics</b>	
Particle Size:	No data available.
Particle Size Distribution:	No data available.

<b>10. Stability and reactivity</b>
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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:	No data available.

<b>11. Toxicological information</b>
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**Acute toxicity (list all possible routes of exposure)**

<b>Oral</b>	
Product:	ATEmix: 500 mg/kg
<b>Dermal</b>	
Product:	ATEmix 2,500 mg/kg
<b>Inhalation</b>	
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:** No data available.

**Components:**

Alkyl(C12-16)dimethyl amines Category 1B (88)

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Components:**

Alkyl(C12-16)dimethyl amines Category 1: (88)

**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 carcinogens present or none present in regulated quantities

**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.

<b>12. Ecological information</b>
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**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:**  
 Alkyl(C12-16)dimethyl amines Category 1 (88)

**Chronic hazards to the aquatic environment**

**Fish  
 Product:** No data available.

**Aquatic Invertebrates  
 Product:** No data available.

**Components:**  
 Alkyl(C12-16)dimethyl amines Category 1 (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.

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

<b>13. Disposal considerations</b>
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**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

### IATA

UN Number:	UN 2735
UN Proper Shipping Name:	Amines, liquid, corrosive, n.o.s. (Alkyl(C12-C14) Dimethylamine)
Transport Hazard Class(es):	
Class:	8
Label(s):	8
Packing Group:	II
Excepted quantity	E2
Environmentally Hazardous:	Yes
Marine Pollutant:	No
Special precautions for user:	Not Regulated.
Other information	
Passenger and cargo aircraft:	Allowed. 851
Cargo aircraft only:	Allowed. 855

### IMDG

UN Number:	UN 2735
UN Proper Shipping Name:	AMINES, LIQUID, CORROSIVE, N.O.S. (Alkyl(C12-C14) Dimethylamine)
Transport Hazard Class(es)	
Class:	8
Label(s):	8
EmS No.:	F-A, S-B
Packing Group:	II
Limited quantity	1.00L
Excepted quantity	E2
Environmentally Hazardous:	Yes
Marine Pollutant:	Yes
Special precautions for user:	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.

**Emergency Response Guide Number:** 153

## 15. Regulatory information

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

**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

**Thailand. List of Hazardous Substances (Notification of Ministry of Industry Re: List of Hazardous Substances B.E. 2556, Annex: Schedules 1 - 6)**

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, including date of preparation or last revision</b>
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<b>Issue Date:</b>	20.07.2021
<b>Version #:</b>	2.0
<b>Source of information:</b>	No data available.
<b>Further Information:</b>	No data available.

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**Reference:**  
 (88): ECHA-REACH Registered Substances Database