

**Product name:**  
 FARMIN DM4098

# 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:**  
 FARMIN DM4098

**Product No.:** B0002129

**Recommended use and restriction on use**

**Recommended use:** Dimethylmyristylamine.  
**Restrictions on use:** Not known.

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

**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

Emergency Overview: Colorless clear Liquid. Odor: Amine-like odor. Hazard statements: 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. Notes to physician: Get medical attention if symptoms occur.

**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 1B
Serious Eye Damage/Eye Irritation	Category 1

**Unknown toxicity - Health**

Acute toxicity, inhalation, dust or mist	100 %
<b>Environmental Hazards</b>	
Acute hazards to the aquatic environment	Category 1
Chronic hazards to the aquatic environment	Category 1

**Product name:**  
 FARMIN DM4098

**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 hands 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: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/ physician if you feel unwell. 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. Immediately call a POISON CENTER or doctor/ physician. Absorb spillage to prevent material damage. Collect spillage.

**Storage:** Store in corrosive resistant stainless steel 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.

**Physical and Chemical Hazards:** None.

**Health Hazards:** None.

**Environmental Hazards:** None.

**Product name:**  
 FARMIN DM4098

### 3. Composition/information on ingredients

#### Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)
Dimethylmyristylamine	-	112-75-4	100%

### 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>	Call a POISON CENTER/doctor if you feel unwell. 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. 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.
<b>Most important symptoms and effects, both acute and delayed</b>	
<b>Symptoms:</b>	No data available.
<b>Hazards:</b>	No data available.
<b>Indication of immediate medical attention and special treatment needed</b>	
<b>Treatment:</b>	Get medical attention if symptoms occur.

### 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.

**Product name:**  
 FARMIN DM4098

**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**

<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>	Keep away from sources of ignition and prepare extinguishing media.

**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. 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. Avoid contact with acids.
<b>Contact avoidance measures:</b>	No data available.

**Storage**

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

**Product name:**  
 FARMIN DM4098

## 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

<b>Eye/face protection:</b>	Safety goggles or Face shield
<b>Hand Protection:</b>	Material: Gloves (alkali-resistant)
<b>Skin and Body Protection:</b>	Alkali-resistant protective clothing
<b>Respiratory Protection:</b>	Use chemical cartridge respirator for alkalines, 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>	Colorless clear
<b>Odor:</b>	Amine-like odor
<b>Odor Threshold:</b>	No data available.
<b>Freezing point:</b>	< 68 °F/20 °C
<b>Boiling Point:</b>	576 °F/302 °C
<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>	298 °F/148 °C (Cleveland open cup)
<b>Self Ignition Temperature:</b>	> 212 °F/100 °C
<b>Decomposition Temperature:</b>	No data available.
<b>pH:</b>	No data available.
<b>Viscosity</b>	
<b>Dynamic viscosity:</b>	5.8 mPa.s (73 °F/23 °C)

**Product name:**  
 FARMIN DM4098

<b>Kinematic viscosity:</b>	No data available.
<b>Flow Time:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Insoluble in water
<b>Solubility (other):</b>	Soluble in various organic solvents
<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>	0.8012 g/ml (50 °F/10 °C) 0.795 g/ml (68 °F/20 °C) 0.7891 g/ml (86 °F/30 °C)
<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>	No data available.
<b>Possibility of hazardous reactions:</b>	Has no self-reactivity. Reacts with acids.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	No data available.

## 11. Toxicological information

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

<b>Oral Product:</b>	ATEmix: 1,320 mg/kg
<b>Dermal Product:</b>	ATEmix 4,400 mg/kg
<b>Inhalation Product:</b>	Dusts, mists and fumes: Classification not possible due to insufficient data. Vapour: No data available. Not classified based on available data of component(s).
<b>Skin Corrosion/Irritation Product:</b>	No data available.

**Product name:**  
 FARMIN DM4098

**Components:**

Dimethylmyristylamine      Category 1B: (88)

**Serious Eye Damage/Eye Irritation**

**Product:**      OECD TG405, Rabbit, Severe, undiluted, (Data on equivalent product)

**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.

**Germ Cell Mutagenicity**

**In vitro**

**Product:**      Ames test (TA98, TA100): Negative (Data on equivalent product)  
                   No data available.  
                   Not classified based on available data of component(s).

**In vivo**

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

**Reproductive toxicity**

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

**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>
-----------------------------------

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:**      LC 50 (Rainbow Trout, 96 h): 0.18 mg/l (Data on equivalent product)

**Aquatic Invertebrates**

**Product:**      No data available.

**Toxicity to Aquatic Plants**

**Product:**      No data available.

**Components:**

Dimethylmyristylamine      Category 1: (88)

**Product name:**  
 FARMIN DM4098

**Chronic 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:**  
 Dimethylmyristylamine Category 1: (88)

**Persistence and Degradability**

**Biodegradation**  
**Product:** 58 % (28 d, OECD TG301B) (Data on equivalent product)

**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.

**Product name:**  
 FARMIN DM4098

## 14. Transport information

### 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

### 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
UN Proper Shipping Name (CN):	液态胺, 腐蚀性, 未另作规定的 (Alkyl(C12-C14) Dimethylamine)

### 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. National and international regulatory information

Should comply with local regulations in respect of this product.

### China. Catalog of Hazardous Chemicals

Not Regulated

**Product name:**  
 FARMIN DM4098

**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>
------------------------------

**Issue Date:** 20.11.2020

**Version #:** 3.0

**Further Information:** No data available.

**Revision Information** Not relevant.

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