

# SAFETY DATA SHEET

## 1. Identification of the hazardous chemical and of the supplier

**Product identifier:** FARMIN DM8098

**Other means of identification**

**Product No.:** B0002141

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

**Recommended use:** Not available.

**Recommended restrictions:** Not known.

**Manufacturer/Importer/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:** +65-3158 1074(For chemical emergencies only)

## 2. Hazard(s) identification

**Hazard Classification**

**Physical Hazards**

Corrosive to metal Category 1

**Health Hazards**

Acute toxicity (Oral) Category 4  
Skin Corrosion/Irritation Category 1B  
Serious Eye Damage/Eye Irritation Category 1

**Unknown toxicity - Health**

Acute toxicity, dermal 100 %  
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 %

## GHS label elements

### Hazard Symbol:



### Signal Word:

Danger

### Hazard Statement:

May be corrosive to metals.  
Harmful if swallowed.  
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. This product may form partially precipitate according to the storage condition. In that case, please warm-up for melting, then use as homogeneous liquid.

### Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. 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. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

### Storage:

Store locked up. Store in corrosive resistant container with a resistant inner liner.

### 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 (%)
Dimethylstearylamine	-	124-28-7	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.

**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>	Cool down to solid in case of melt (be careful of heat), and then sweep or vacuum spilled materials to drums or containers.
<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. This product may form partially precipitate according to the storage condition. In that case, please warm-up for melting, then use as homogeneous liquid. 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.

**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>General information:</b>	No data available.
<b>Eye/face protection:</b>	Safety goggles or Face shield
<b>Hand Protection:</b>	Gloves (alkali-resistant)
<b>Other:</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>	Solid
<b>Form:</b>	Solid(liquid in summer(over 20C))
<b>Color:</b>	White
<b>Odor:</b>	Amine-like odor
<b>Odor Threshold:</b>	No data available.
<b>Melting Point:</b>	23 °C/73 °F
<b>Boiling Point:</b>	358 °C/676 °F
<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>	186 °C/367 °F Method: Cleveland open cup
<b>Auto-ignition temperature:</b>	> 100 °C/212 °F
<b>Decomposition Temperature:</b>	No data available.
<b>pH:</b>	No data available.

**Viscosity**

<b>Dynamic viscosity:</b>	No data available.
<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>	300 Pa at 170 °C/338 °F
<b>Relative density:</b>	No data available.
<b>Density:</b>	0.798 g/ml at 30 °C/86 °F
	0.7918 g/ml at 40 °C/104 °F
	0.7849 g/ml at 50 °C/122 °F
<b>Vapor density (air=1):</b>	No data available.
<b>Particle characteristics</b>	
<b>Particle Size:</b>	No data available.
<b>Particle Size Distribution:</b>	No data available.
<b>Other information</b>	
<b>Heat of combustion</b>	>= 34 kJ/g

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	No data available.
<b>Possibility of hazardous reactions:</b>	Reacts with acids. Has no self-reactivity.
<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: 500 mg/kg
<b>Dermal Product:</b>	Classification not possible due to insufficient data.
<b>Inhalation Product:</b>	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:**

Dimethylstearylamine Category 1B: (88)

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Components:**

Dimethylstearylamine 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:** Ames test (TA98, TA100): Negative (Data on equivalent 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:** No data available.

**Other effects:** No data available.

**12. Ecological information****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:**

Dimethylstearylamine Category 1: (88)

#### **Chronic hazards to the aquatic environment**

##### **Fish**

**Product:** No data available.

##### **Aquatic Invertebrates**

**Product:** No data available.

#### **Components:**

Dimethylstearylamine Category 1: (88)

#### **Persistence and Degradability**

##### **Biodegradation**

**Product:** 47 % (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.

### **14. Transport information**

#### **IATA**

UN Number:

UN 2735



UN Proper Shipping Name:	Amines, liquid, corrosive, n.o.s.(Dimethylstearylamine)
Transport Hazard Class(es)	
Class:	8
Label(s):	8
Packing Group:	II
Passenger and cargo aircraft :	851
Limited quantity	None.
Excepted quantity	E2
Environmental Hazards	
Environmentally Hazardous:	Yes
Marine Pollutant:	No
Special precautions for user:	None.
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.(Dimethylstearylamine)
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
Environmental Hazards	
Environmentally Hazardous:	Yes
Marine Pollutant:	Yes
Special precautions for user:	None.

## 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

**Philippines. CCO chemicals (Chemical Control Orders, as published in Department of Environment and Natural Resources Order (DAO) No. 2021-08 and 2021-09)**  
Not Regulated

**Philippines. Controlled Precursors & Essential Chemicals (Comprehensive Dangerous Drugs Act of 2002 (Republic Act 9165), as amended thru Dangerous Drugs Board Regulations)**  
Not Regulated

**Philippines. Ozone Depleting Substances (ODS) (Chemical Control Order, DENR Admin. Order No. 2013-25, as amended)**  
Not Regulated

**Philippines. Priority Chemical List (PCL) (DENR Administrative Order)**

Not Regulated

**Philippines. Narcotic and Psychotropic Substances (Comprehensive Dangerous Drugs Act of 2002 (Republic Act 9165), as amended)**  
Not Regulated

**Philippines. Hazardous Wastes (DENR Administrative Order 2013-22 Revised Procedures and Standards for the Management of Hazardous Wastes, Table 2.1)**  
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

**16. Other information, including date of preparation or last revision**

<b>Version #:</b>	3.0
<b>Revision Date:</b>	08.08.2023
<b>Issue Date:</b>	25.09.2020

**Further Information:** No data available.

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