N,N'-ethylenedistearamide
SE-1400152000

Safety Data Sheet

First Edition: February 1st, 2000
Last Revised: December 23rd, 2025

【1. Identification 】

Chemical substance name:	N,N'-ethylenedistearamide
Product name:	Daiwax BA　Daiwax BA-300 Daiwax BA-P　Daiwax BA-500 Daiwax BAP-1　Daiwax BA-3 BA-GL
Company name:	Dainichi Chemical Industry Co., Ltd.
Address:	7-3-4, Nakaishikiri-cho, Higashiosaka-shi, Osaka-fu, 579-8014, Japan
Associated department:	Technical department
Telephone number:	+81-72-985-1851
Emergency contact number:	+81-72-985-1851
FAX number:	+81-72-987-0170
Recommended use:	Additives for resin Lubricants for powder metallurgy
restriction on use:	Expert judgment is required when using for purposes other than those recommended.

【2. Hazards identification 】

1. GHS classification

a. Physical hazards

Explosive:	Not classified
Flammable gases:	Not classified
Aerosols:	Not classified
Oxidizing gases:	Not classified
Gases under pressure:	Not classified
Flammable liquid:	Not classified
Flammable solids:	Classification not possible
Self-reactive substances and mixture:	Not classified
Pyrophoric liquids:	Not classified
Pyrophoric solids:	Not classified
Self-heating substances and mixtures:	Classification not possible
Substances and mixture which, in contact with water, emit flammable gases:	Not classified
Oxidizing liquids:	Not classified
Oxidizing solids:	Not classified
Organic peroxides:	Not classified
Corrosive to metals:	Classification not possible
Desensitized explosives:	Not classified

b. Health hazards

Acute toxicity (oral):	Classification not possible
Acute toxicity (dermal):	Classification not possible
Acute toxicity (gases):	Not classified
Acute toxicity (vapors):	Not classified
Acute toxicity (dusts and mists):	Classification not possible
Skin corrosion/irritation:	Classification not possible
Serious eye damage / eye irritation:	Classification not possible
Respiratory sensitization:	Classification not possible
Skin sensitization:	Classification not possible
Germ cell mutagenicity:	Classification not possible
Carcinogenicity:	Classification not possible
Reproductive toxicity:	Classification not possible

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STOT-single exposure:	Classification not possible
STOT-repeated exposure:	Classification not possible
Aspiration hazard:	Classification not possible

c. Environmental hazards

Acute aquatic hazard:	Classification not possible
Chronic aquatic hazard:	Classification not possible
Hazardous to the ozone layer:	Classification not possible

d. Others

Risk of dust explosion

2. GHS Label elements,including precautionary statements

Signal words:	Not available
Hazard pictogram:	Not available
Other Hazard statements:	May form explosible dust-air mixture if deispersed

【3. Composition/Information on ingredients 】

Substance/Mixture:	Substance
Chemical substance name:	N,N'-ethylenedistearamide
CAS number:	110-30-5
ENCS number:	2-831
EINECS number:	203-755-6

【4. First-aid measures 】

Inhalation:	If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical advice.
On skin:	Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical advice, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.
In eyes:	Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical advice.
Ingestion:	If large amount is swallowed, get medical advice.

【5. Fire-fighting measures 】

Suitable Extinguishing media:	Water spray, foam-extinguisher, powder-extinguisher and dry chemical
Inappropriate extinguishing media:	Straight stream water
Specific hazards arising from the substance or mixture:	Hazardous fume containing COX and NOX might be formed during combustion.
Special protective actions for fire-fighters:	Fire-fighters should wear an appropriate respiratory apparatus and protective clothes for chemical.

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【6. Accidental release measures 】

Personal precautions, protective equipment and emergency procedures:	Use proper protective equipment as indicated in Section 8. Avoid direct contact with the spilled or leaked material. Avoid inhaling this product in the air (Powder dust). Evacuate the area if large amount of product is leaked. Ventileate the area if necessary.
Environmental precautions:	Avoid flowing out to the rivers, household drains and other environment.
Methods and materials for containment and cleaning up:	Rake spills with a broom and collect it in appropriate container. Store the container in a cool and dry place until it disposes. Ventilate the area where this product was released.

【7. Handling and storage 】

Precautions for safe handling:	Refer to Section 8. Wash hands carefully after handling this product. Prohibit open flames while handling this product. Use dust explosion-proof electrical equipment and light fixtures. Avoid diffusion of this product to the air. Do not eat, drink or smoke while handling this product.
Conditions for safe storage, including any incompatibilities:	Store this product in well-ventilated, dry and cool place. Please make sure that the storage is not close to open flames, sparks and heat. Please make sure that the container of this product is tightly closed when store this product. Please use antistatic containers.

【8. Exposure controls/Personal protection 】

Control parameters	
ACGIH:	No date available
Appropriate engineering controls	Eye washer and safety shower should be placed in storages where this product is stored and in buildings where this product is handled. Provide local exhaust ventilation system. Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Ensure compliance with applicable exposure limits.
Personal protective equipment	
Hands:	Wear appropriate protective gloves.
Eyes:	Wear appropriate safety glasses.
Skin and Body:	Wear appropriate protective clothes.
Respiratory:	Wear air-purifying respirator with a tight-fitting facepiece and a high-efficiency particular filter.

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【9. Physical and chemical properties 】

Physical state:	solid (powder)
Color:	White
Odor:	Slightly distinctive odor
Melting point/Freezing point:	140-150℃
Boiling point or initial boiling point and boiling range:	No data available
Flammability:	No data available
Lower and upper explosion limit/flammability limit:	No data available
Flash point:	>280℃
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	7.2(n-butanol/water=9/1)
Kinematic viscosity:	No data available
Solubility:	Insoluble in water
Partition coefficient/n-octanol/water(log value):	No data available
Vapor pressure:	No data available
Density and/or relative density:	No data available
Relative vapor density:	No data available
Particle characteristics:	No data available

【10. Stability and reactivity 】

Reactivity:	Not in particular.
Chemical stability:	Stable in general condition.
Possibility of hazardous reactions:	No data available
Conditions to avoid:	Slightly flammable, avoid high temperature. High concentration dispersion in air might result in powder
Incompatible materials:	Bases, Oxidizing materials
Hazardous decomposition product:	This product will form fume containing COX and NOX on heating or burning.

【11. Toxicological information 】

Acute toxicity (Oral):	Based on NITE, Oral Rat LD50 is larger than 5000mg/kg, therefore classified as "Not classified".
Acute toxicity (Dermal):	No data available
Acute toxicity (Gases):	Not applicable
Acute toxicity (Vapors):	Not applicable
Acute toxicity (Dusts and mists):	No data available
Skin corrosion/irritation:	Not applicable
Serious eye damage / Eye irritation:	Not applicable
Respiratory sensitization:	No data available
Skin sensitization:	No data available
Germ cell mutagenicity:	Ames test (TA98, TA100): Negative Chromosomal aberration test (CHL cell): Negative
Carcinogenicity:	No data available
Reproductive toxicity:	No data available
STOT-single exposure:	No data available
STOT-repeated exposure:	Based on IUCLID5 (2014), no toxic effects were found in repeated dose 28-days oral toxicity study in rats and the no observed adverse effect level (NOAEL) was considered to be over 1000mg/kg/day for both sexes of rats, therefore classified as "not classified".
Aspiration hazard:	No data available

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【12. Ecological information 】

Toxicity

Aquatic ecotoxicity:	OECD203: Oryzias latipes, 96h, LC50 > 0.027mg/L OECD202: Daphnia magna, 48h, EC50 > 0.0022mg/L OECD211: Daphnia magna, Reproduction test, 21d, NOEC > 0.00564mg/L OECD201: Pseudokirchneriella subcapitata, Alga. Growth inhibition test, 72h, ErC50 > 0.053mg/L OECD201: Pseudokirchneriella subcapitata, Alga. Growth inhibition test, 24-72h, NOECr > 0.053mg/L
Terrestrial ecotoxicity:	No data available
Persistence and degradability:	Non-biodegradable OECD301C: BOD degradation rate = 1.1 %, 14d
Bioaccumulative potential:	Low bioconcentration OECD305C: Cyprinus carpio, Bioconcentration rate < 6.2, 42d
Mobility in soil:	No data available
Other adverse effects:	No data available

【13. Disposal considerations 】

Do NOT dump this product in the environment or in the household waste. Before disposal or incineration, contents of this product should be neutralized or stabilized if it's possible.
Obey local/regional/national/international regulations about the disposal or the incineration of this product (both contents and containers).

【14. Transport information 】

UN number:	**Not relevant as Not classified**
UN Proper Shipping Name:	**Not relevant as Not classified**
Transport hazard class:	**Not relevant as Not classified**
Packing group:	**Not relevant as Not classified**
Environmental hazards:	**Not relevant as Not classified**
Special precautions for user:	**Follow the transportation methods stipulated.**
Transport in bulk according to IMO instruments:	**Not applicable for product as supplied.**

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【15. Regulatory information 】

Inventory information

Inventory Name	N,N'-ethylenedistearamide	
	Status	Registry Number
AICS (Australia):	Present	—
DSL (Canada):	Present	—
IECSC (China):	Present	38286
EINECS (EU):	Present	203-755-6
ENCS (Japan):	Present	2-831
KECL (Korea):	Present	KE-13662
INSQ (Mexico):	Present	—
NZIoC (New Zealand):	Present	—
PICCS (Philippines):	Present	—
TSCA (U.S.A.):	Present	—

【16. Other Information 】

References

1 **National Institute of Technology and Evaluation (NITE)**

2 ***GHS 9th edition***

Manufacture disclaimer

All information given in this SDS is based on the data which is considered to be accurate, but the information do not guarantee enough safety. All chemical material may have an unknown hazard to human and conditions of methods of handling , storage, use and disposal of the product are beyond suppliers' control; therefore all risks and consequences of use the product are on users' responsibilities and users need to set appropriate safety measures for special use.

In addition, all classification in this SDS was written in accordance with the GHS classification of the 9th revised edition. However, GHS mentioned that countries are free to determine which of the building blocks will be applied in different parts of label elements and building blocks. Therefore, many countries set own requirements of label elements and building blocks. In the cases of export from Japan or use in other countries, SDSs and labels are needed, which are in accordance with the local laws and regulations of exporting countries or user countries. Please contact supplier beforehand for checking SDSs and labels are suitable for the local laws and regulations.