Daiwax OHC
SE-1800302000

First Edition: February 1st, 2000
Last Revised: June 30th, 2020

Safety Data Sheet

【1. Chemical product and company identification 】

Chemical substance name:	Calcium(2+) 12-hydroxyoctadecanoate
Product name:	Daiwax OHC
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

【2. Hazards identification 】

1. GHS classification

a. Physical hazards

Flammable solids:	Classification not possible
Pyrophoric solids:	Classification not possible
Self-heating substances and mixtures:	Classification not possible
Corrosive to metals:	Classification not possible

b. Health hazards

Acute toxicity (oral):	Not applicable
Acute toxicity (dermal):	Classification not possible
Acute toxicity (gases):	Not classified
Acute toxicity (vapors):	Classification not possible
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
STOT-single exposure:	Classification not possible
STOT-repeated exposure:	Classification not possible
Aspiration hazard:	Classification not possible

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c. Environmental hazards

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

2. Label elements

Signal words:	Not available
Hazard pictogram:	Not available
Hazard statement	Not available
Precautionary statement	Not available

【3. Composition/Information on ingredients 】

Substance/Mixture:	Substance
Chemical substance name:	Octadecanoic acid, 12-hydroxy-, calcium salts
CAS number:	3159-62-4
ENCS number:	(2)-1416
EINECS number:	221-605-8
KECL number:	2000-3-1472

【4. First-aid measures 】

IN EACH CASES OF FOLLOWING EMERGENCIES, VICTIMS SHOULD BE TREATED BY PARTICULAR FIRST-AID MEASURES AS FOLLOW

In eyes:	Flush eyes with plenty of water for at least 15 minutes. Then 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.
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.
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
Flammable properties:	Slight fire hazard. Dust/air mixtures may ignite or explode.

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Special protective actions for fire-fighters:

Take away a product container from a fire if possible.
Keep containers cool with a plenty of water after fire extinction.
Fire-fighters should wear an appropriate respiratory apparatus and protective clothes for chemical.

【6. Accidental release measures 】

Personal precautions:

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).

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.

Environmental precautions:

Avoid flowing out to the rivers, household drains and other environment.

【7. Handling and storage 】

Handling:

Avoid contact with eyes, skin and clothes.
Wash hands carefully after handling this product.
Prohibit open flames while handling this product.
Avoid deposition of this product.
Use dust explosion-proof electrical equipment and light fixtures.
Do not eat, drink or smoke while handling this product.

Storage:

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.

【8. Exposure controls/Personal protection 】

Component Exposure Limit

NIOSH, EU, OSHA (US) and other organizations have not developed exposure limits for any of this product's components.

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.

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Ventilation:	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.

【9. Physical and chemical properties 】

Appearance:	White solid (powder)
Odor:	No data available
Odor threshold:	No data available
pH:	No data available
Melting point and freezing point:	145 - 155℃
Initial boiling point and boiling range:	No data available
Flash point (Open cup):	No data available
Evaporation rate (Butyl acetate =1):	No data available
Flammability (solids, gas):	No data available
Explosive limits:	No data available
Vapor pressure:	No data available
Vapor density (Air =1):	No data available
Specific gravity or density:	No data available
Solubility:	Insoluble in water
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available

【10. Stability and reactivity 】

Reactivity:	Not in particular.
Chemical stability:	Stable in room temperature and pressure.
Conditions to avoid:	Avoid contact with incompatible materials. Avoid heat, flames, sparks and other sources of ignition. If dry, it can be charged electrostatically by swirling, pneumatic transport, pouring, etc.
Incompatible materials:	Oxidizing materials
Hazardous decomposition product:	Oxides of carbon
Possibility of hazardous reactions:	
Heating or combustion reaction:	Hazardous This product will form hazardous fume of carbon monoxide on heating or burning.

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【11. Toxicological information 】

Acute toxicity (Oral):	No data available
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:	No data available
Serious eye damage / Eye irritation:	No data available
Respiratory sensitization:	No data available
Skin sensitization:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive toxicity:	No data available
STOT-single exposure:	No data available
STOT-repeated exposure:	No data available
Aspiration hazard:	No data available
Component analysis - LD50/LC50:	No data available
Inhalation (Dust)	
Acute exposure:	No data available
Chronic exposure:	No data available
Skin contact	
Acute exposure:	No data available
Chronic exposure:	No data available
Eye contact	
Acute exposure:	No data available
Chronic exposure:	No data available
Ingestion	
Acute exposure:	No data available
Chronic exposure:	No data available

【12. Ecological information 】

Ecotoxicity	
Aquatic ecotoxicity:	No data available
Terrestrial ecotoxicity:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Hazardous to the ozone layer:	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).

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【14. Transport information 】

UN number:	Not Applicable on UN classification
US DOT:	No classification assigned
TDG:	No classification assigned
ADR:	No classification assigned
RID:	No classification assigned
IATA:	No classification assigned
ICAO:	No classification assigned
IMDG:	No classification assigned
Marine pollutant:	Not applicable
Particular safety measures for transportation:	Avoid damage to the container while loading this product. Do not put heavy objects on top of this product. Load carefully to prevent the collapse of cargo. Avoid direct sunlight to this product during transport.

【15. Regulatory information 】

Inventory information

Inventory Name	**Octadecanoic acid, 12-hydroxy-, calcium salts**	
	Status	**Registry Number**
AICS (Australia)**:**	Present	—
DSL (Canada)**:**	Present	—
IECSC (China)**:**	Present	26741
EINECS (EU)**:**	Present	221-605-8
ENCS (Japan)**:**	Present	(2)-1416
KECL Non-Toxic Chemical (Korea)**:**	Present	2000-3-1472
INSQ (Mexico)**:**	Present	—
NZIoC (New Zealand)**:**	Present	—
PICCS (Philippines)**:**	Present	—
Inventory (Turkey)**:**	Present	EC No. 221-605-8
TSCA (U.S.A.)**:**	Present	—

【16. Other Information 】

References

1 **ChemADVISOR, Inc. (2015).** ***Calcium(2+) 12-hydroxyoctadecanoate*** **[Data file]. Retrieved from LOLI database.**

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2 **ECHA. (n.d.)** ***Calcium(2+) 12-hydroxyoctadecanoate*** **[Data file]. Retrieved April 21, 2015, from http://apps.echa.europa.eu/registered/data/dossiers/DISS-dcec9757-124e-2561-e044-00144f67d031/AGGR-8049c6ed-cd43-4845-96ac-6b25f655df49_DISS-dcec9757-124e-2561-e044-00144f67d031.html#section_1.1**

3 **National Institute of Technology and Evaluation (NITE). (2006).** ***Calcium(2+) 12-hydroxyoctadecanoate*** **[Data file].**

4 **United Nations. (2013).** ***Globally Harmonized System of Classification and Labelling of Chemicals (GHS)*** **(5th ed.). (The Japanese GHS Inter-ministerial Committee, Trans.). Tokyo: The Chemical Daily Co., Ltd..**

Key/ Legend

ACGIH - American Conference of Governmental Industrial Hygienists
AICS - Australia Inventory of Chemical Substances
ADR - European Road Transport
CAS - Chemical Abstracts Service
℃ - degree Celsius
DSL - Domestic Substances List
EINECS - European Inventory of Existing Commercial Chemical Substances (European Union)
ENCS - Existing and New Chemical Substances (Japan)
GHS - Globally Harmonized System of Classification and Labelling of Chemicals
HPV - High Production Volume
HS code - Harmonized System code
IATA - International Air Transport Association
ICAO - International Civil Aviation Organization
IECSC - Inventory of Existing Chemical Substances (China)
IMDG - International Maritime Dangerous Goods
INSQ - National Inventory of Chemical Substances (Mexico)
IUCLID - International Uniform Chemical Information Database
KECL - Korea Existing Chemicals Inventory
NITE - National Institute of Technology and Evaluation
LD50 - Lethal Dose, 50% or Median Lethal Dose

LOLI - List Of Lists™-ChemADVISOR's Regulatory Database

NZIoC - New Zealand Inventory of Chemicals
PICCS - Philippines Inventory of Chemicals and Chemical Substances
RTECS - Registry of Toxic Effects of Chemical Substances®
RID - European Rail Transport
STOT - Specific Target Organ Toxicity
TDG - Transportation of Dangerous Goods
TLV - Threshold Limit Value
TSCA - Toxic Substances Control Act (U.S.A.)
TWA - Time Weighted Average
UN - United Nations
US DOT - United States Department of Transportation

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 fifth 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.