

# Safety Data Sheet

according to JIS Z 7253: 2019

Issue date: 5/7/2021 Version: 1.5 Revision date: 3/28/2025

### 1. Chemical product and company identification

Substance name : OLFINE D-10H

Recommended use of the chemical and restrictions on use

Recommended use : Additive

Restrictions on use General industrial use

**Company information** 

Nissin Chemical Industry Co., Ltd.

100-0004 Japan

Shin Otemachi Building, 2-2-1 Otemachi, Chiyoda-ku, Tokyo

T +81-3-6262-0276 - F +81-3-6262-0277

#### 2. Hazards identification

#### **GHS** classification

Physical hazards classification not possible **Explosives** 

> Flammable gases No classification

classification not possible Aerosol

Oxidizing gases No classification No classification Gases under pressure No classification Flammable liquids Flammable solids No classification

Self-reactive substances and

mixtures

classification not possible

No classification Pyrophoric liquids Pyrophoric solids No classification

Self-heating substances and

classification not possible

mixtures

Substances and mixtures which

classification not possible

in contact with water emit

flammable gases

Oxidizing liquids No classification No classification Oxidizing solids

Organic peroxides classification not possible Corrosive to metals classification not possible Desensitized explosives classification not possible

Health hazards Acute toxicity (oral) No classification

> Acute toxicity (dermal) No classification

Acute toxicity (inhalation:gas)

classification not possible

Acute toxicity

classification not possible

(inhalation:vapours)

Acute toxicity

No classification

(inhalation:dust/mist)

Skin corrosion/irritation Category 2

Serious eye damage/eye

Category 1

irritation

Respiratory sensitization classification not possible

Skin sensitization Category 1

Germ cell mutagenicity classification not possible
Carcinogenicity classification not possible
Reproductive toxicity classification not possible

Specific target organ toxicity

Category 1

(single exposure)

Specific target organ toxicity

(repeated exposure)

classification not possible

Aspiration hazard

classification not possible

Environmental hazards

Hazardous to the aquatic

Category 3

environment, short-term (acute)

Hazardous to the aquatic environment, long-term

c Category 3

(chronic)

Hazardous to the ozone layer classification not possible

Hazard pictograms







GHS Signal word : Danger

**Hazard statements** : Causes skin irritation. (H315)

May cause an allergic skin reaction. (H317) Causes serious eye damage. (H318)

Causes damage to organs (H370)

Harmful to aquatic life with long lasting effects. (H412)

**Precautionary statements** 

Prevention : Do not breathe dust, fume, gas, mist, vapours, spray. (P260)

Wash hands, forearms and face thoroughly after handling. (P264)

Do not eat, drink or smoke when using this product. (P270)

Contaminated work clothing should not be allowed out of the

workplace. (P272)

Avoid release to the environment. (P273)

Wear protective gloves, protective clothing, eye protection, face

protection. (P280)

Response : IF ON SKIN: Wash with plenty of soap and water. (P302+P352)

If in eyes: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

(P305+P351+P338)

IF exposed or concerned: Call a doctor. (P308+P311)

Immediately call a doctor. (P310)

Specific treatment (P321)

If skin irritation or rash occurs: Get medical advice/attention.

(P333+P313)

Take off contaminated clothing and wash it before reuse.

(P362+P364)

Storage : Store locked up. (P405)

Disposal : Dispose of contents/container in accordance with

local/regional/national/international regulations. (P501)

## 3. Composition/information on ingredients

**Distinction of substance or** : Mixture

mixture

Generic name : Surfactant composition

Name	Concentration (%)	Reference number in the gazette list		CAS-No.
		CSCL No	ISHL No	
2,4,7,9-Tetramethyl-5- decyne-4,7-diol	75	(2)-263	Existing Chemical Substance	126-86-3
Ethane-1,2-diol	25	(2)-230	Existing Chemical Substance	107-21-1

### 4. First aid measures

#### First aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where

possible). Move out of dangerous area. Take off contaminated clothing and shoes immediately. Never give anything by mouth to  $\frac{1}{2}$ 

an unconscious person.

First-aid measures after : Remove the sufferers to fresh air places immediately. If breathing

inhalation

has stopped or is labored, give artificial respiration, and get

medical advices.

First-aid measures after skin

contact

: Take off contaminated clothes, shoes and socks. And wash sticking parts off with soap and plenty of water. If the external changes are observed or the symptoms such as irritation or itchy appears,

get medical advices immediately.

First-aid measures after eye

contact

Rinse immediately inner side of eyelid with plenty of water more than 20 minutes. Remove the contact lenses if possible. Get

medical advices.

If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion

immediately.

Never give anything through mouth to a patient if he is unconscious. Turn a patient's head to the side for preventing

suffocation by vomit.

# 5. Fire fighting measures

Suitable extinguishing media

: Water mist, Alcohol-resistant foam, Dry chemical, Carbon dioxide

(CO2), Dry sand

Unsuitable extinguishing

media

: Nothing in particular

#### Fire hazard

Fire hazard

: Under fire conditions, hazardous fumes or gas may be present.

Hazardous decomposition products in case of fire

: The hazardous gasses such as carbon mono- and di-oxide and aldehyde group are generated at the Product's combustion.

#### Firefighting instructions

Firefighting instructions

: Cut off ignition sources to a fire origin and fight a fire employing a

suitable fire extinguishing agent.

Cool by water spray around the fire site to prevent the fire

extension.

#### Personal protection (Emergency response)

Personal protection (Emergency

response)

: As gasses such as carbon dioxide, carbon monoxide, smoke are generated by high temperature at fire, wear a self-contained

breathing apparatus, etc.

Protection during firefighting

: In the event of fire, wear self-contained breathing apparatus. Use

personal protective equipment.

Other information

: Standard procedure for chemical fires. Use extinguishing measures

that are appropriate to local circumstances and the surrounding

environment. In the event of fire and/or explosion do not breathe fumes. Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

#### 6. Accidental release measures

#### Personal Precautions, Protective Equipment and Emergency Procedures

General measures : Clear off ignition sources and work from windward.

Wear suitable protective goggles, boots, gloves, body suits to avoid contact with droplet, etc and inhalation of mist, gas, etc.

For emergency responders

Protective equipment : Wear suitable protective tools such as goggles, boots, gloves,

body suits and a self-contained breathing apparatus according to

circumstances to avoid inhalation of and direct contact with

materials in question.

Emergency procedures : Clear off all of ignition sources immediately.

Work from windward.

Stop release.

**Environmental precautions** 

Environmental precautions : Take care that the released Products do not inflow into the water-

courses nor dirty water flows out to the environment.

Methods and Equipment for Containment and Cleaning up

For containment : Soak up with inert absorbent material (e.g. sand, silica gel, acid

binder, universal binder, sawdust). Keep in suitable, closed

containers for disposal.

Methods for cleaning up : When the releasing materials are small, cover with dry sand, dirt,

sawdust and/or the like, rake up with shovels or brooms and

recover into the containers being stoppled tightly.

When the releasing materials are large, vacuum and recover with

a pump, etc.

Prevention Measures for

Secondary Accidents

: Remove immediately all ignition source and prepare fire extinguish

agents. Use safe tools which do not spark.

# 7. Handling and storage

#### **Handling**

Technical measures : Emergency showers and eye wash stations should be readily

accessible.

Take precautionary measures aginst electrostatic discharge.

Open flames prohibited.

Precautions for safe handling

: Comply with practice rules established by the Government.

Prevents handling of

incompatible substances or

mixtures

: Wear suitable personal protecting tools, if there are dangers of

inhalation of vapor and mist or contact to skin or eye(s).

Local and general ventilation

: Handle the Product at the area installing local exhaust orwhole

ventilation facilities.

Storage

Storage conditions : Store with a tight stopper at cool and dark places.

Material used in : Keep oil tins dry because oil tins

packaging/containers may form rust by wet with water and so on.

Technical measures : Store the Product at a well ventilated place where is isolated from

thermal sources and strong oxidizers.

Incompatible materials : Strong oxidizers (perchlorates, nitrates, peroxides). Reactive

metals. (sodium, calcium, zinc, etc.). Dehydrating agent.

### 8. Exposure controls / Personal protection equipment

Fileward 2 dial (407 24 d)			
Ethane-1,2-diol (107-21-1)			
Japan - Occupational Exposure Limits (Concentration standard value (MHLW))			
Local name	エチレングリコール # Ethylene glycol		
OEL TWA	10 ppm		
OEL STEL	50 ppm		
Japan - Occupational Exposure Limits			
Exposure limits (ACGIH)	0 STEL C 100mg/m3 (H)		

Appropriate engineering controls

: Install sufficient general ventilators and local exhaust equipments, Express the place clearly where safety shower(s) and hand and eye washer(s) are equipped, Applied tools and equipments should be static charge prevention style explosion-proof.

#### **Protective equipment**

Materials for protective clothing

: Use personal protective equipment against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective equipment with the manufacturer.

Respiratory protection

: Use an air respirator at an emergency, It is needless under normal

conditions at well ventilated place.

Hand protection

: Wear protective gloves.(Neoprene Nitrile rubber)

Eye protection

: goggles style protective glasses

Skin and body protection : protective clothing, Choose appropriate protective clothes

according to the concentration of the dangerous substance and the

work circumstance.

Environmental exposure

controls

: Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. If the product

contaminates rivers and lakes or drains inform respective authorities. Avoid release to the environment. Refer to special

instructions/ Safety data sheets.

# 9. Physical and chemical properties

Physical state : Liquid

Colour : Colorless~Light yellow,clear

Odour : No data available

pH : No data available

Relative evaporation rate

(butylacetate=1)

: No data available

Melting point : No data available
Freezing point : No data available

Boiling point : No data available

Flash point : 125 °C (Cleveland open-cup test)

Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability : No data available
Vapour pressure : No data available
Relative vapour density at : No data available

itelative vapour deri

20°C

No data available

Relative density : No data available
Density : No data available
Relative gas density : No data available
Solubility : No data available

Partition coefficient noctanol/water (Log Pow)

Minimum ignition energy : No data available

Particle size : No data available

## 10. Stability and reactivity

Reactivity : No data available

Chemical stability : Prevent high temperature atmosphere, by which the degradation of

the product is accelerated.

Possibility of hazardous

reactions

: In case of mix and contact with strong oxidizer, it may cause

hazards such as fire or explosion.

Conditions to avoid : Heat. Fire

Incompatible materials : Reactive metals. (sodium,calcium, zinc, etc.). Strong oxidizer

(perchlorates, nitrates, peroxides etc.). Peroxides. Dehydrating

agents. Materials reacted with hydroxyl compounds.

Hazardous decomposition

products

: The hazardous gasses such as carbon mono- and di-oxide and

aldehyde group are generated at the Product's combustion. Heating

above 65 C in the presence of strong base can produce flammable  $\,$ 

hydrocarbon residue.

# 11. Toxicological information

Acute toxicity (oral) : (as a product) No data available

Acute toxicity (dermal) : (as a product) No data available

Acute toxicity (gas) - : (as a product) No data available

Description

Acute toxicity (vapour) - : (as a product) No data available

Description

Acute toxicity (dust, mist) -

: (as a product)

No data available

Description

Acute toxicity (mist) -

: (as a product)

No data available

Description

Skin corrosion/irritation : (as a product)

There are no available data about this product.

There contain skin corrosion/irritation materials belonging to the following

Category. Category 2: Ethylene glycol(25%) Concentration limits of Category 2 is  $\geq$ 3%. So,

this product is correspond to skin corrosion/irritation Category 2.

Serious eye damage/irritation : (as a product) There are no available data about this product.

There contain eye irritating materials

belonging to the following Category. Category 1: Ethoxylated 2,4,7,9-tetramethyl-5-decyne-

4,7-diol (75%) Concentration limits of Category 1 is ≥3%. So,this product is correspond to Serius eye damage /eye

irritation Category 1 of GHS.

Respiratory sensitization : (as a product) No data available

Skin sensitization : (as a product) There are no available data about this product.

There contain skin sensitisation materials belonging to the following Category. Category 1: 2,4,7,9-Tetramethyl-5-decyne-4,7-diol (75%) Concentration limits of Category 1 is ≥ 1.0%. So,this product is correspond to skin

sensitisation Category 1 of GHS.

Germ cell mutagenicity : (as a product) No data available

Carcinogenicity : (as a product) No data available

Reproductive toxicity : (as a product) No data available

: (as a product)

There contain Specific target organ toxicity (single exposure) materials belonging to the following Category.Category 1: Ethylene

There are no available data about this product.

glycol(25%) Concentration limits of Category 1 is ≥10%. So, this product is correspond to Specific target organ toxicity (single exposure)

Category 1.

STOT-repeated exposure : (as a product) No data available

Aspiration hazard : (as a product) No data available

## 12. Ecological information

#### **Ecotoxicity**

Ecotoxicity : (as a product) No data available

Hazardous to the aquatic : (as a product)

environment, short-term

STOT-single exposure

(acute)

There are no available data about this product. There contain Hazardous to the aquatic environment (acute) materials

belonging to the following

Category.Category 3: 2,4,7,9-Tetramethyl-5-decyne-4,7-diol (75%). Concentration limits of Category 3 is ≥25%. So,this product is correspond to Hazardous to the aquatic environment (acute) Category 3 of

GHS.

Hazardous to the aquatic environment, long-term

(chronic)

: (as a product)

There are no available data about this product. There contain Hazardous to the aquatic environment (Chronic) materials

belonging to the following

Category.Category 3: 2,4,7,9-tetramethyl-5-decyne-4,7-diol (75%). Concentration limits of Category 3 is ≥25%. So,this product is correspond to Hazardous to the aquatic environment (Chronic) Category 3

of GHS.

Other information : It should not be allowed for the product to be run into drains,

water courses or the soil.

Persistence and degradability

Persistence and degradability

: (as a product)

No data available

Biochemical oxygen demand

: (as a product)

No data available

(BOD)

Chemical oxygen demand

: (as a product)

No data available

(COD)

**Bioaccumulative potential** 

Bioaccumulative potential

octanol/water (Log Pow)

: (as a product)

No data available

Partition coefficient n-

: (as a product)

No data available

Mobility in soil

Mobility in soil

(as a product)

No data available

Partition coefficient n-

(as a product)

No data available

octanol/water (Log Pow)

Ecology - soil

(as a product) No data available

Hazardous to the ozone layer

Ozone

: (as a product)

No data available

Other adverse effects

: No additional information available

13. Disposal considerations

**Ecological waste information** 

Farm out to professional disposal treating traders in compliance with requirements of the nation and local

governments.

Contaminated container and

packaging

: Farm out disposal of the contents and packaging materials to

professional disposal treating traders in compliance with

requirements of the nation and local governments.

In case of disposal of empty container, dispose after complete removal in the container.

## 14. Transport information

#### **International Regulations**

#### Transport by sea(IMDG)

UN-No. (IMDG) : Not applicable
Proper Shipping Name (IMDG) Not applicable
Packing group (IMDG) : Not applicable
Transport hazard class(es) : Not applicable

(IMDG)

#### Air transport(IATA)

UN-No. (IATA) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Packing group (IATA) : Not applicable
Transport hazard class(es) : Not applicable

(IATA)

#### **Regulations in Japan**

Other information : At transportation, make sure of no leakage of packings, load

the products without broken bags, falling, injury, etc, and

prevent load collapses surely.

# 15. Regulatory information

REACH SVHC : No SVHC substances exceeding the threshold level are

contained.

#### 16. Other information

Data sources : Ref. 1."Safety Data Sheet" by Raw Material Manufacturers.

2.GHS Sixth Revised Edition. 3.NITE GHS Results of the

Classification.

Other information : The Products was developed for general industries' use. When

applying to specific uses, it is hoped to confirm its safety by yourselves prior to the use. The description of this SDS is based upon materials, information and data which can be procured at present. However, we do not warrant any guarantee regarding the contents, physical and chemical

properties, hazards and the like.

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