

Safety Data Sheet

according to JIS Z 7253: 2019

Issue date: 2/25/2014 Version: 3.3 Revision date: 3/1/2024

1. Chemical product and company identification

Substance name : CHALINE LC-190

Recommended use of the chemical and restrictions on use

Recommended use : Glidant

Restrictions on use General industrial use

Company information

Nissin Chemical Industry Co., Ltd.

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2. Hazards identification

GHS classification

Health hazards

Physical hazards classification not possible **Explosives**

> Flammable gases No classification

classification not possible Aerosol

Oxidizing gases No classification No classification Gases under pressure

Flammable liquids classification not possible

Flammable solids No classification

Self-reactive substances and

mixtures

classification not possible

Pyrophoric liquids classification not possible

Pyrophoric solids No classification

Self-heating substances and

mixtures

classification not possible

Substances and mixtures which

in contact with water emit

classification not possible

flammable gases

Oxidizing liquids classification not possible

Oxidizing solids No classification

Organic peroxides classification not possible Corrosive to metals classification not possible

Desensitized explosives classification not possible Acute toxicity (oral) classification not possible

Acute toxicity (dermal) classification not possible Acute toxicity (inhalation:gas) No classification

No classification Acute toxicity

(inhalation:vapours)

Acute toxicity classification not possible

(inhalation:dust/mist)

Skin corrosion/irritation classification not possible Serious eye damage/eye classification not possible

irritation

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 Specific target organ toxicity classification not possible

(single exposure)

Specific target organ toxicity

(repeated exposure)

classification not possible

Aspiration hazard

(chronic)

classification not possible Hazardous to the aquatic classification not possible

environment, short-term (acute)

Hazardous to the aquatic environment, long-term

classification not possible

Hazardous to the ozone layer classification not possible

Precautionary statements

Environmental

hazards

Prevention : Avoid release to the environment. (P273)

Wear protective gloves, protective clothing, eye protection, face

protection. (P280)

Response : Get medical advice/attention if you feel unwell. (P314)

Storage Store in a well-ventilated place. Keep cool. (P403+P235)

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 : Colloidal dispersion of Silicone-Acrylate based copolymer

Name	Concentration (%)	Reference number in the gazette list		CAS-No.
		CSCL No	ISHL No	
Silicone-Acrylate based copolymer	42 - 45	Undisclosed	Undisclosed	Undisclosed
Cyclotetrasiloxane, octamethyl- (Impurity)	< 3	(7)-475	Existing Chemical Substance	556-67-2
Cyclopentasiloxane, decamethyl- (Impurity)	< 2	(7)-475	Existing Chemical Substance	541-02-6
Dodecamethylcyclohexasil oxane (Impurity)	< 1	(7)-475	Existing Chemical Substance	540-97-6
Water	54 - 57	-	-	7732-18-5

4. First aid measures

First aid measures

First-aid measures general : Get medical advice/attention if you feel unwell.

First-aid measures after inhalation

: Remove the sufferers to fresh air places and keep themselves rest in an easy-to- breath position. Get medical advices immediately.

If breathing has stopped or is labored, give artificial respiration.

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.

First-aid measures after ingestion

: Rinse mouth thoroughly with water and get medical attention immediately.

Never give anything through mouth to an unconscious person.

5. Fire fighting measures

Suitable extinguishing media : Water and alkali salt, Fire foam, Water, Dry chemical

Unsuitable extinguishing : Nothing in particular

media

Fire hazard

Fire hazard : This product itself is not a flammable compound. But dry film after

evaporating water is flammable.

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)

: Fight a fire from the windward and wear a self-contained

breathing apparatus according to circumstances.

Other information

: One of the general procedures for chemical fires may be applied.

Use appropriate extinguishing measures considering the local circumstances and environments. Never inhale such smoke, etc. as are generated at fire and/or explosion. Use water spray to cool unopened containers. Recover the water contaminated with fire extinguishing agents separately. Never discharge this water into drains. Fire residues and contaminated fire extinguishing water must be disposed of complying with local regulations.

6. Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures

General measures : Wear a self-contained breathing apparatus and suitable chemical

protective clothes and tools, and work from windward.

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 : Recover immediately and prevent spreading.

Methods and Equipment for Containment and Cleaning up

For containment : When the releasing materials are large, prevent spreading by

cover with banking and the like and vacuum and recover with a

pump,etc.

When the releasing materials are small, recover as mortar after

mix with perlite, dirt, sawdust and/or the like.

Methods for cleaning up : Clean up the surroundings of the releasing area with water after

recovery and recover the contaminated water as well.

Prevention Measures for Secondary Accidents

: If the products spill into rivers, lakes or marshes, inform to the fire stations, authorities relating environment disruption, River Bureau,

Water Supply Bureau, etc. of local governments, if necessary.

Other information : Take care of slip as released area becomes easy to slip.

7. Handling and storage

Handling

Technical measures : As polyvalent metal ions such as iron, copper, zinc, aluminum, etc.

may cause collering, gelling, etc, pay care and attention for choice

of storage installations, pipework, blenders and the like.

Precautions for safe handling : Wear suitable personal protecting tools such as protecting gloves,

protecting glasses, etc. according to circumstances to avoid to

contact with skin or eye(s).

See section 8 for personal protection. Never inhale vapours or spray mist. Avoid contact with skin and eyes. Use appropriate

containers to avoid environmental contamination.

Prevents handling of incompatible substances or

mixtures

: No information.

Hygiene measures : Wash hands at the end of each work shift before eating, smoking

or using the toilet.

Never eat, drink nor smoke during work.

Local and general ventilation : In case of the work with generation of spray mist or vapor, install

local air exhausters.

Storage

Storage conditions : Storage temperature must be kept not less than 5°C and never

exceed 35°C.

Store indoor, preventing from sunlight and freezing.

Avoid dust, water, etc. coming into opened containers in use.

Material used in

packaging/containers

: Use the containers having water resistance and durability, and avoid from contact with metals as possible.

a void from contact with metals as possible.

Technical measures : Keep containers stoppled tightly after use to prevent forming film.

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

Dehydrating agent.

8. Exposure controls / Personal protection equipment

CHALINE LC-190		
Japan - Occupational Exposure Limits		
Japan administration level	No data available	
Exposure limits (JSOH)	No data available	
Exposure limits (ACGIH)	No data available	

Appropriate engineering controls : Install sealing equipments or local exhaust equipments at indoor work,

Express the place clearly where safety shower(s) and hand and eye

washer(s) are equipped.

Protective equipment

Respiratory protection : Use respirators for filtering air etc. to avoid inhalation.

Hand protection : Wear protective gloves. (Neoprene Nitrile rubber)

Eye protection : goggles style protective glasses

Skin and body protection : Protective clothes(long sleeve clothes).

9. Physical and chemical properties

Physical state : Liquid
Colour : milky

Odour : No data available
pH : No data available
Melting point : No data available
Freezing point : No data available

Boiling point : ≈ 100 °C Flash point : nothing

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

20°C

Relative density : ≈ 1.1

Density : No data available
Relative gas density : No data available
Solubility : Miscible with water
Partition coefficient n- : No data available

octanol/water (Log Pow)

Explosive limits (vol %) : No data available

: No data available Explosive limits (g/m³) Viscosity, kinematic : No data available Minimum ignition energy No data available Particle size : No data available

10. Stability and reactivity

Reactivity : No reactivity with water

Chemical stability Stable under normal conditions.

Possibility of hazardous No information

reactions

Conditions to avoid : No information Incompatible materials No information : No information Hazardous decomposition

products

11. Toxicological information

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

(as a product)

Acute toxicity (gas) -

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

Description

Description

Acute toxicity (dust, mist) -: (as a product) No data available

Description

No data available Acute toxicity (mist) -(as a product)

Description

No data available Skin corrosion/irritation : (as a product)

Serious eye damage/irritation : (as a product) No data available

Respiratory sensitization : (as a product) No data available Skin sensitization No data available : (as a product)

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

No data available Carcinogenicity : (as a product)

Reproductive toxicity : (as a product) No data available No data available STOT-single exposure : (as a product)

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

Aspiration hazard : (as a product) No data available

No data available

No data available

No data available

12. Ecological information

Ecotoxicity

Ecotoxicity : (as a product) No data available Hazardous to the aquatic : (as a product) No data available

: (as a product)

environment, short-term

(acute)

Hazardous to the aquatic

environment, long-term

(chronic)

Persistence and degradability

Persistence and degradability : (as a product) No data available

Biochemical oxygen demand : (as a product)

(BOD)

Chemical oxygen demand : (as a product) No data available

(COD)

Bioaccumulative potential

Bioaccumulative potential : (as a product) No data available

Partition coefficient n- : (as a product) No data available

octanol/water (Log Pow)

Mobility in soil

Mobility in soil : (as a product) No data available

(as a product)

octanol/water (Log Pow)

Partition coefficient n-

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 information : At disposal of wastes, comply with the Waste Management and

Public Cleansing Law.

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

governments.

Contaminated container and

packaging

Farm out dispose of the contents and packing 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, See "7 Handling and storage"

15. Regulatory information

REACH SVHC : Contains a substance on the REACH candidate list in

concentration ≥ 0.1%: Octamethylcyclotetrasiloxane (EC 209-136-7, CAS 556-67-2), Decamethylcyclopentasiloxane (CAS 541-02-6), Dodecamethylcyclohexasiloxane (CAS 540-97-6)

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. Prior to use or handle of this products, keep all people who handle this product informed of the information of this SDS and other information concerning

safety and disasters. 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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