

CHALINE R-170



**Nissin Chemical Industry Co.,
Ltd.**

5-13, Uchikanda 1-chome, Chiyoda-ku,
Tokyo, Japan
Tel: +81-3-3295-3931
Fax: +81-3-3295-3929

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SAFETY DATA SHEET

1. Chemical product and company identification

Trade name : CHALINE R-170
Substance name : Silicone-Acrylate based copolymer
Company/undertaking : Nissin Chemical Industry Co., Ltd.
identification
Zip code : 101-0047
Street : 5-13, Uchikanda 1-chome, Chiyoda-ku, Tokyo, Japan
Tel : +81-3-3295-3931
Fax : +81-3-3295-3929
Department name : Quality Assurance Group/Environmental & Quality Management
Division
Tel : +81-778-22-9998
Fax : +81-778-22-9998

2. Hazards identification

GHS classification

Physical hazards : Explosive / Classification not possible
: Flammable gases / Not applicable
: Flammable aerosol / Classification not possible
: Oxidising gases / Not applicable
: Gases under pressure / Not applicable
: Flammable liquids / Not applicable
: Flammable solids / Classification not possible
: Self-reactive substances and mixtures / Classification not possible
: Pyrophoric liquids / Not applicable
: Pyrophoric solids / Classification not possible
: Self-heating substances and mixtures / Classification not possible
: Substances and mixtures which in contact with water emit
flammable gases / Classification not possible
: Oxidising liquids / Not applicable
: Oxidising solids / Classification not possible

- : Organic peroxide / Classification not possible
- : Corrosive to metals / Classification not possible
- Health hazards : Acute toxicity (oral) / Classification not possible
- : Acute toxicity (dermal) / Classification not possible
- : Acute toxicity (inhalation:gas) / Classification not possible
- : Acute toxicity (inhalation:vapour) / Not applicable
- : Acute toxicity (inhalation:dust,mist) / Classification not possible
- : Skin corrosion/irritation / Classification not possible
- : Serious eye damage/eye irritation / Classification not possible
- : Respiratory sensitisation / Classification not possible
- : Skin sensitisation / Classification not possible
- : Germ cell mutagenicity / Classification not possible
- : Carcinogenicity / Classification not possible
- : Reproductive toxicity / Classification not possible
- : Specific target organ toxicity (single exposure) / Classification not possible
- : Specific target organ toxicity (repeated exposure) / Classification not possible
- : Aspiration hazard / Classification not possible
- Environmental hazards : Hazardous to the aquatic environment - Acute Hazard / Classification not possible
- : Hazardous to the aquatic environment - Chronic Hazard / Classification not possible
- : Hazardous to the ozone layer / Classification not possible
- [Prevention precautionary statements] : Wear protective gloves, protective clothing, eye protection, face protection. (P280)
- [Response Precautionary Statements] : Get medical advice/attention if you feel unwell. (P314)
- [Storage precautionary statements] : Store in a well-ventilated place. Keep cool. (P403+P235)
- [Disposal precautionary statements] : Dispose of contents/container in accordance with local/regional/national/international regulations. (P501)

3. Composition/information on ingredients

Generic name : Silicone-Acrylate based copolymer

Name	Concentration	Kanpo number		CAS No
		CSCL No	ISHL No	
Silicone-Acrylate based copolymer	> 95%	Listed	Existing	Listed
Octamethylcyclotetrasiloxane	0.3 - 1%	(7)-475	Existing	556-67-2

Decamethylcyclopentasiloxane	1 - 2%	(7)-475	Existing	541-02-6
Dodecamethylcyclohexasiloxane	0.3 - 1%	(7)-475	Existing	540-97-6

4. First aid measures

- First-aid measures general : Get medical advice/attention if you feel unwell.
- First-aid measures after inhalation : Remove to the sufferers to fresh air places immediately and keep themselves rest in an easy-to-breath position.
- First-aid measures after skin contact : Wash with plenty of soap and water.
- 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.

5. Fire fighting measures

- Suitable extinguishing media : Water and alkali salt, Fire foam, Water, Dry chemical
- Unsuitable extinguishing media : Nothing in particular.
- Fire hazard : Carbon monoxide may be generated under fire conditions.
- Explosion hazard : There may be formed an flammable/explosive dust mixture with air during handling.
- 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 : 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) : Wear suitable protective tools such as goggles, boots, gloves, and body suits as well as a self-contained breathing apparatus to avoid direct contact. Fight a fire from the windward.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment.

6. Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures

- General measures : Sweep and recover this products wearing protective goggles and gloves. Farm out the disposal to a waste disposal operator.
- Protective equipment : Put on protecting gloves, eyes, etc. to avoid to contact with skin or eye(s).

- Emergency procedures : Clear off all of ignition sources immediately.
- Measures in case of dust release : Use respirators for filtering air etc. to avoid inhalation
Avoid breathing dust, fume, gas, mist, vapours, spray.
- Protective equipment : Put on protecting gloves, eyes, etc. to avoid to contact with skin or eye(s).
- Emergency procedures : Clear off all of ignition sources immediately
Work from windward.
- Environmental precautions : Recover immediately and prevent spreading.

Methods and Equipment for Containment and Cleaning up

- For containment : When the releasing materials are small, cover with dry sand, dirt, sawdust and the like, rake up with shovels or brooms and recover into the containers being stoppled tightly.
- 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 : Remove immediately all ignition source and prepare fire extinguish agents. Use safe tools which do not spark.
- Other information : Take care of slip as released area becomes easy to slip.

7. Handling and storage

Handling

- Technical measures : Take precautionary measures against static discharges
Put on protecting gloves, eyes, etc. to avoid to contact with skin or eye(s)
Use explosion-proof electric equipments, ventilation device and lighting equipments.

Use in the areas that have installed local air exhausters in order to avoid to diffuse the powder.
- Precautions for safe handling : There may be formed an flammable/explosive dust mixture with air during handling.
- Prevents handling of incompatible substances or mixtures : Put on protecting gloves, eyes, etc. to avoid to contact with skin or eye(s).
- 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.

Storage precautionary statements

- Storage conditions : Store in a well-ventilated place
Storage temperature must be kept not more than 5°C, or never exceed not less than 35°C.
- Technical measures : Take precautionary measures against static discharge

Bear the Product off from ignition sources such as heat, spark, open flame, high temperature object, etc.

Prevent for dust, water, etc. to come into opened containers in use.

- Material used in packaging/containers : Never wet paperbags, as the strength becomes lower because of water wet.
- Incompatible materials : Heat sources, Sources of ignition

8. Exposure controls / Personal protection equipment

- Japan administration level : No data available
- Exposure limits (JSOH) : No data available
- Exposure limits (ACGIH) : No data available
- Appropriate engineering controls : Install local exhaust equipments to avoid direct contact
Express the place clearly where safety shower(s) and hand and eye washer(s) are equipped.
- Respiratory protection : Use respirators for filtering air etc. to avoid inhalation
- Hand protection : Wear protective gloves
- Eye protection : Protective glasses with side plates
- Skin and body protection : Protective clothes, long sleeve clothes, safety boots

9. Physical and chemical properties

- Physical state : Solid
- Appearance : Powder
- Colour : light yellow
- Odour : odorless
- Melting point : No data available
- Boiling point : No data available
- Flash point : 121 °C
- Flammability (solid, gas) : As Oxygen index of the Product is 21.6%
- Explosive limits (g/m³) : 180 - 190 g/m³ Lower explosive limit (LEL)
- Explosive limits (vol %) : No data available
- Vapour pressure : No data available
- Relative vapour density at 20 °C : No data available
- Solubility : Insoluble Medium: Water, Ethanol. Completely Soluble Medium: Acetone, Toluene.
- Log Pow : No data available
- Auto-ignition temperature : No data available

Decomposition temperature : No data available

10. Stability and reactivity

Reactivity : No reactivity with water

Chemical stability : Stable under room temperature.

Possibility of hazardous reactions : An explosive mixture with air and dust may be generated.

Conditions to avoid : Fire,Static electricity

Incompatible materials : No information

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

11. Toxicological information

Acute toxicity (oral) - Description : No data available

Acute toxicity (dermal) - Description : No data available

Acute toxicity (gas) - Description : No data available

Acute toxicity (vapour) - Description : No data available

Acute toxicity (dust) - Description : No data available

Acute toxicity (mist) - Description : No data available

Skin corrosion/irritation - Description : No data available

Serious eye damage/eye irritation - Description : No data available

Skin sensitization - Description : No data available

Respiratory sensitization - Description : No data available

Germ cell mutagenicity - Description : No data available

Carcinogenicity : No data available

Reproductive toxicity - Description : No data available

Specific target organ toxicity (single exposure) - Description : No data available

Specific target organ toxicity : No data available
(repeated exposure) -
Description

Aspiration hazard - : No data available
Description

12. Ecological information

Hazardous to Aquatic : No data available
Environment - Acute Hazard

Hazardous to Aquatic : No data available
Environment - Chronic
Hazard

Ecotoxicity : No data available

Fish Toxicity / Other Toxicity : No data available

Persistence and degradability : No data available

Chemical oxygen demand : No data available
(COD)

Bioaccumulative potential : No data available

Ecology - soil : No data available

Hazardous to the ozone layer : No data available

13. Disposal considerations

Waste disposal : Dispose of contents/container in accordance with
recommendations local/regional/national/international regulations.

Waste treatment methods : Farm out to professional disposal treating traders in compliance
with requirements of the nation and local governments.

Ecology - waste materials : Farm out to professional disposal treating traders in compliance
with requirements of the nation and local governments.

Contaminated container and : Farm out dispose of the contents and packing materials to
packaging professional disposal treating traders in compliance with
requirements of the nation and local governments.

14. Transport information

International Regulations

UN-No. : Not applicable

Class (UN) : Not applicable

Regulations in Japan

UN-No. : Not applicable

Class (UN) : Not applicable

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

Regulatory reference

Country name	Inventory List	Listed/Not listed	Country name	Inventory List	Listed/Not listed
USA	TSCA	Listed	Korea	KECI	Not listed
EU	EINECS	Listed	EU	REACH	We have joined REACH supply chain of Raw Materials.
Canada	DSL	Not listed	People's Republic of China	IECSC	Simplified Notification
Australia	AICS	Not listed	Philippines	PICCS	Not listed
New Zealand	NZIoC	Not listed	Taiwan	ECN	Listed

The Nissin Chemical Company is not able to check up the regulatory information in regard to the substances in your country or region, therefore, we request this matter would be filled by your responsibility.

16. Other information

Data sources : Ref. 1. "Safety Data Sheet" by Raw Material Manufacturers. 2. GHS Fourth 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