

## 1. Chemical product and company identification

**Substance name** : CHALINE R-175S

### Recommended use of the chemical and restrictions on use

Recommended use : Glidant

Restrictions on use : General industrial use

### Company information

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## 2. Hazards identification

### GHS classification

Physical hazards	Explosives	classification not possible
	Flammable gases	No classification
	Aerosol	classification not possible
	Oxidizing gases	No classification
	Gases under pressure	No classification
	Flammable liquids	No classification
	Flammable solids	classification not possible
	Self-reactive substances and mixtures	classification not possible
	Pyrophoric liquids	No classification
	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
	Oxidizing liquids	No classification
	Oxidizing solids	classification not possible
	Organic peroxides	classification not possible
	Corrosive to metals	classification not possible
Health hazards	Desensitized explosives	classification not possible
	Acute toxicity (oral)	classification not possible
	Acute toxicity (dermal)	classification not possible

	Acute toxicity (inhalation:gas)	classification not possible
	Acute toxicity (inhalation:vapours)	No classification
	Acute toxicity (inhalation:dust/mist)	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
	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, short-term (acute)	classification not possible
	Hazardous to the aquatic environment, long-term (chronic)	classification not possible
	Hazardous to the ozone layer	classification not possible

**Precautionary statements**

- Prevention : 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)

**Other hazards which do not result in classification**

- Other hazards which do not result in classification : Static discharges may be generated during handling.  
In case of dust contact with eye, skin, mucous membrane, it may cause irritation. .  
There may be formed an flammable/explosive dust mixture with air during handling.

### 3. Composition/information on ingredients

**Distinction of substance or mixture** : Substance

Generic name : Silicone-Acrylate based copolymer

Name	Concentration (%)	Reference number in the gazette list		CAS-No.
		CSDL No	ISHL No	
Silicone-Acrylate based copolymer	> 95	Undisclosed	Undisclosed	Undisclosed
Cyclotetrasiloxane, octamethyl- (Impurity)	< 1.0	(7)-475	Existing Chemical Substance	556-67-2
Cyclopentasiloxane, decamethyl- (Impurity)	< 1.0	(7)-475	Existing Chemical Substance	541-02-6
Dodecamethylcyclohexasiloxane (Impurity)	< 1.0	(7)-475	Existing Chemical Substance	540-97-6

### 4. First aid measures

#### First aid measures

**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 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

Fire hazard : Carbon monoxide may be generated under fire conditions.

#### Firefighting instructions

### Personal protection (Emergency response)

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.

## 6. Accidental release measures

### Personal Precautions, Protective Equipment and Emergency Procedures

#### Environmental precautions

Environmental precautions : Recover immediately and prevent spreading.

#### Methods and Equipment for Containment and Cleaning up

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 : 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.

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

### Storage

Storage conditions : Store in a well-ventilated place.  
Storage temperature must be kept not less than 5°C and never exceed 35°C.

Material used in packaging/containers : Never wet paperbags, as the strength becomes lower because of water wet.

- 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.
- Incompatible materials : Heat sources. Sources of ignition.

## 8. Exposure controls / Personal protection equipment

CHALINE R-175S	
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 local exhaust equipments to avoid direct contact, 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.
- Eye protection : goggles style protective glasses
- Skin and body protection : Protective clothes, long sleeve clothes, safety boots.

## 9. Physical and chemical properties

- Physical state : Solid
- Appearance : Powder
- Colour : Pale yellow
- Odour : odorless
- pH : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : 154 °C
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability : As Oxygen index of the Product is 22.5%.
- Vapour pressure : No data available
- Relative vapour density at 20°C : No data available

Relative density	:	No data available
Density	:	No data available
Relative gas density	:	No data available
Solubility	:	insoluble in water. Soluble in acetone. Soluble in toluene
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Explosive limits (vol %)	:	No data available
Explosive limits (g/m <sup>3</sup> )	:	35 – 40 g/m <sup>3</sup> Dust explosive lower limit
Viscosity, kinematic	:	No data available
Particle size	:	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)	:	(as a product)	No data available
Acute toxicity (dermal)	:	(as a product)	No data available
Acute toxicity (gas) - Description	:	(as a product)	No data available
Acute toxicity (vapour) - Description	:	(as a product)	No data available
Acute toxicity (dust, mist) - Description	:	(as a product)	No data available
Acute toxicity (mist) - Description	:	(as a product)	No data available
Skin corrosion/irritation	:	(as a product)	No data available
Serious eye damage/irritation	:	(as a product)	No data available
Respiratory sensitization	:	(as a product)	No data available
Skin sensitization	:	(as a product)	No data available
Germ cell mutagenicity	:	(as a product)	No data available
Carcinogenicity	:	(as a product)	No data available

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Reproductive toxicity	: (as a product)	No data available
STOT-single exposure	: (as a product)	No data available
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 environment, short-term (acute)	: (as a product)	No data available
Hazardous to the aquatic environment, long-term (chronic)	: (as a product)	No data available

### Persistence and degradability

Persistence and degradability	: (as a product)	No data available
Biochemical oxygen demand (BOD)	: (as a product)	No data available
Chemical oxygen demand (COD)	: (as a product)	No data available

### Bioaccumulative potential

Bioaccumulative potential	: (as a product)	No data available
Partition coefficient n-octanol/water (Log Pow)	: (as a product)	No data available

### Mobility in soil

Mobility in soil	: (as a product)	No data available
Partition coefficient n-octanol/water (Log Pow)	: (as a product)	No data available
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** : 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.

### 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) (IMDG) : Not applicable

##### Air transport(IATA)

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

#### 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  $\geq 0.1\%$ : 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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