CHALINE R-170S

Safety Data Sheet

according to JIS Z 7253 : 2019

Issue date: 4/27/2001 Revision date: 3/1/2024 Version: 4.1

1. Chemical product and company identification

Substance name : CHALINE R-170S

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
	Desensitized explosives	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: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 flammble/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.
		CSCL 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
Water (Impurity)	≤ 5.0	-	-	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 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.
Explosion hazard	:	There may be formed an flammble/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

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)	:	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.

For emergency responders

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

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 flammble/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-170S	
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	:	Yellowish-White
Odour	:	odorless
pH	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	147 °C
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability	:	As Oxygen index of the Product is 24.8%.
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/m³)	:	70 – 75 g/m³ Lower explosive limit (LEL)
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
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 ≥ 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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