

# Material Safety Data Sheet

## 1.Product and company information

s-clean S-800

Company name sasaki chemical Ltd.(佐々木化学薬品株式会社)

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Charge section: Engineering Service

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## 2.Composition and element information

Distinction between single product and compound: Compound

Chemical name or general name: Aliphatic low Melcaptan

Content: Aliphatic, low Melcaptan 25%

Chemical characteristic (rational formula): Closed-door

Official gazette notification arrangement number: Existing

(化審法・安衛法)(Cashinhou and aneihou)

CAS No.: Unopening to the public (Registered. )

## 3.Summary of danger and harmful

The importance, danger, and harmful: There is stimulation for the human body.

Harmful: It might stimulate eyes and the skins.

The inhalation of steam might stimulate the nose, the throat, and the trachea.

When the oral is taken, it might have the evil intention, vomiting, and stomachache, etc.

Environmental impact: Data none

Physical, the chemistry, and danger: This product is nonflammability, and it is not especially dangerous.

It is likely to ignite by a high density oxidant and contact.

The name of the classification: It doesn't correspond to the classification standard.

## 4.Emergency measures

When inhaling

The victim is moved to the place of fresh air at once.

Yasashi is made to cover with the blanket etc. , to keep the body warm, and to come, the nose is bitten, and it is made to gargle. It practices artificial respiration after clothes are loosened and the respiratory airway is secured when breath has stopped, and oxygen is

inhaled at breathing difficulties.

The doctor's treatment is promptly received.

When adhering to the skin

Clothes and shoes, etc. polluted at once are taken off, and the adhesion or the contact part is flushed enough by using bags of water or soap. When the change is seen or the pain and the inflammation are caused in externals, the doctor's treatment is promptly received.

When it enters eyes

At least 15 minutes or more are washed by a clean at once stream, and the ophthalmologist's treatment is received promptly. The eyelid is opened by the finger when eyes is washed and it washes so that water may spread well even in every corner of the eyeball and the eyelid.

When swallowing

The victim is covered with the blanket etc. , kept warm, and it is made ..rest.. to do. Bags of water or the brine solution is made to be drunk after the victim is often washed in water energetically can in Ro and it is made to vomit when consideration is plain. Do not give anything when not conscious. The doctor's treatment is promptly received.

Protection of the person who takes measures emergency

It is noted to wear the protection tools such as protective glasses and the protective gloves so that the rescuer should not touch the poisonous substance.

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Protection of the person who takes measures emergency

It is noted to wear the protection tools such as protective glasses and the protective gloves so that the rescuer should not touch the poisonous substance.

## 5.Measures at a fire

The extinction medicine:

This product doesn't burn. An appropriate extinction medicine to a fire in the surrounding that rolls this product is used.

A specific extinction method:

The entries other than parties concerned are prohibited, and the surrounding of the fire occurrence place is evicted to the place of safety. It is nonflammability, and the container is promptly moved to the place of safety for a fire in the surrounding.

A that the movement is impossible is watered the container and around and cooled.

Appropriate measures is done so that the material that influences Wa by draining water off extinction should not flow out.

Specific, danger, and harmful:

It is noted not to inhale smoke because this product contains S in the molecule, resolves at a fire, and generates a poisonous SO<sub>x</sub> gas.

Tamo of the person who extinguishes fire:

When working, an appropriate protection tool is worn without fail.

Because a digestive activity does from the windward as much as possible, and avoids the inhalation of smoke including a poisonous gas, it is preferable to wear the protection tool with which eyes, noses, and mouths are covered.

## 6.Measures when leaking

Notes of the human body :

The person in leeward is made to be saved. The mouth and the nose are covered with the washcloth etc.

wet with water if there is a necessity.

It stretches a rope around the leakage place, and the entries other than parties concerned are prohibited by warning.

It ventilates enough, and it works from the windward. It doesn't work in leeward.

When working, protection tool-(eye shield, protective glove, protection boots, and protection clothes, etc. ) is worn with out fail.

Notes of the environment:

The product that flows out is exhausted to the river etc. and it is noted not to influence the environment. It is noted not to flow out to the environment without appropriately processing the polluted drain when diluting it with volumes of water.

Do not throw the leakage thing into a river and direct drainage.

## Removal method

In case of little:

It wipes off with paper and the cloth, etc. , and it removes or it dilutes enough with bags of water and it flushes it making dry sand and earth and sand, etc. adsorb it.

In case of in large quantities:

It collects it to the empty container that can be sealed up by enclosing with preventing the outflow, and doing adsorption etc. to these as much as possible. Is flushed with bags of water.

It is noted that a thick waste fluid is not exhausted to the river etc.

## 7.Attention in handling and keeping

### Handling

#### Technical measures

- It comes in contact with eyes, the skins, and clothes, etc. , and the inhalation of steam is avoided.

- When working, an appropriate if necessary a protection tool is worn.  
(protection glasses, face shield, protective glove, protection boots, and protection clothes, etc.)

- It is preferable to handle it in the place where ventilation is good. It is taken steps to meet the situation that steam is not inhaled in the place where rousing is bad.

- The generation of steam is suppressed as much as possible. It is not recklessly generated.

- It lectures on the measures of the exclusion of the contaminated air with making to sealing up or the

exhaust device etc. of the device etc. to avoid these stays in the place where steam is generated.

- The opening is sealed up so that the spray etc. should not enter it from the space between clothes and footwear.

- The equipment for the eyewashing and the body washing in the emergency is set up in the vicinity of the handling place, and the position is displayed plainly.

- It handles it very noting that the container is not damaged. Is not handled with stopping and the mouth of the container.

Moreover, Caltao ..container.. recklessly has, the impact is added, and it is not handled to drag it ..violent...

- It handles it with metals, oxidized materials, and organic peroxides, etc. in a place away.

- After handling, the washroom, the eyewashing, and gargle are done enough. The

protection tool used is washed in

clear water without fail, and dries. A that adheres to the work wear is changed clothes at once, is washed in clear water, and dries.

Notes: When steam might be generated, it handles it in the place with the whole in limited part exhaust ventilation equipment.

The safety treatment notes:

Contact with oxidized material is avoided.

To react with the metals, an appropriate material is selected.

Because iron etc. are done in, the rust prevention processing is preferable in equipment.

Keeping

Appropriate keeping condition

- It closely stops without fail, direct sunshine and the high temperature and humidity are avoided without fail, and it keeps it in the cool dark place where ventilation is good.
- It doesn't keep it in the place and the basement where heat source Jo and ventilation such as boilers are bad.
- Metals, oxidized materials, and organic peroxides, etc. are isolated and it keeps it.

A safe container wrapping material: To react with the metal, the material at handling is noted.

Resin system materials such as polyethylene, Poribropiren, and teflon. The glass has durability.

## 8.Exposure prevention and protection measures

The equipment measures: Making to sealing up or the limited part exhaust device in the source is used in the

handling place where steam is generated.

The equipment in the emergency for the eyewashing and the body washing is set up in the vicinity of the

handling place, and the position is displayed plainly.

The management density: It is not set.

A permissible density: Japan Association of Industrial Health: It is not set.

A C G IH is not set.

Protection tool

Protection tool for breath: The hazard mask for an organic gas is worn if necessary.

Protection tool of hand: Impermeable protection gloves

Protective glasses (glasses and usual goggle type, etc. with shroud)

Protection tool of skin and body: Protection tools of eyes:

Protection clothes (long sleeve work clothes) and protection boots and aprons, etc.

## 9. Physical and chemistry

### Physical state

Shape : Liquid

Color : Green is yellow fluorescence transparent.

Smell : Characteristic odor

pH : 8,3 (25 °C)

A specific temperature/temperature range boiling point into which a physical state changes : about 100 °C

flash point : It is nonflammability.

Density (specific gravity) : 1.10(20 °C)

solubility

Dissolubility to the solvent : It freely mixes it with water.

## 10. Stability and reactivity

Stability : It is oxidized gradually in air. This oxidation is promoted by the existence of the

metal and the alkalis such as iron and copper.

The reactivity : Iron, cobalt, the nickel ion, and the compound of presentation color are generated.

It reacts with oxidized materials such as hydrogen peroxides and the potassium bromates.

It is likely to ignite by a high density oxidant and contact.

Poisonous SO<sub>x</sub> (SO<sub>x</sub>) is generated if it heats it until resolving it.

Condition that should be avoided : Contact of eye of firing directly light, silence, and oxidized material

Avoiding Zaiwa : Metals

Dangerous, harmful resolution product : SO<sub>x</sub> gas(SO<sub>x</sub>)

## 11. Harmful nature report

Acute toxicity: When passing Ro is taken, it might have the evil intention, vomiting, and stomachache, etc.

Ratting coeliac injection LD50 165mg/kg

rabbit vein injection LD50 100mg/kg

### Local effect

Stimulation (skin and eyes) : It might stimulate eyes and the skins.

The inhalation of steam might stimulate the nose, the throat, and the trachea.

Chronic toxicity and long-term toxicity : Dermatitis and the skin ulcer might be caused by

continuous contact for a long time.

Carcinogenicity : It is not each element used for this product the IARC list the distribution recording

Mutating primeval : Data none

Entertainments deformity : Data none

Genital toxicity : Data none

## 12. Environmental influence information

Mobility : There is a possibility of moving to the atmosphere, the waters, and the soil environment in a

physicochemical character.

Remain/resolution : Data none

Ecology accumulation : Data none

### Ecology toxicity

Fish toxicity : Data none

Others : CODMn:186,000mg/L (stock solution)

BOD:45,000mg/L (stock solution)

## 13. Attention in abandonment

The remainder waste : It consigns it to the industrial Hata thing processing trader who obtains the administrative divisions governor's permission.

The container : It disposes after contents are completely removed when abandoning it.

## 14. Attention in transportation

Domestic restriction : Application law none

The United Nations classification : It doesn't correspond to a dangerous detriment

in the definition of the classification of the United Nations.

Measures for safety and condition of specific circle sending :

It loads it so that there are without damaging to the container, and confirming there is no leakage, colliding, falling, falling, and not damaging it.

The collapse of cargo piles prevention is surely done. Moreover, shaded coating to avoid direct sunlight is given, and getting wet with rain water is prevented.

To damage the container by the collision, the fall, and the fall, etc. , to leak, and so as not to disperse, it carefully handles it.

When it loads, and the work of the load lowering and the movement and the filling, etc. is done, a necessary protection tool is worn.

The contact consolidation is not done with oxidized material and organic peroxide.

#### 15.Application law

Chemical management promotion Law (PRTR Law)	: It doesn't correspond.
poison deleterious substance management Law	: It doesn't correspond.
labor safety hygiene Law	: It doesn't correspond.
fire fighting Law	: It doesn't correspond.
air pollution prevention Law	: It doesn't correspond.
seawater pollution prevention Law	: It doesn't correspond.
ship safety Law	: It doesn't correspond.
aviation Law	: It doesn't correspond.
Port Regulation Law	: It doesn't correspond.

#### 16.Extra information

##### Literature cited

Chemical large dictionary Kyoritsu Syuppan ( 化学大辞典 共立出版

Industrial poisoning handbook Isiyaku Syuppan ( 産業中毒便覧 医歯薬出版

14705 chemical commercialization study kagakukougyou Nippousya ( 14705 の化学商品 化学工業日報社

\* It is not the one to secure accuracy and the safety of information though the content of the description is made based on material and information that was able to be acquired now.

\* Please be and execute Tome usually to notes after it lectures on measures for safety newly suitable for the usage usage when you do special handling though it is the one intended for.

\* Close attention is necessary for handling because there can be an unknown harmful in all chemical products. In user all of you's responsibility, please set safe use conditions