



## Safety Data Sheet

### 1. Identification of the substance/mixture and of the company/undertaking

Product identifier:

Product name: Soda talc, granular

SDS No. : 7533E-4

Details of the supplier of the safety data sheet

Manufacturer/Supplier: KISHIDA CHEMICAL CO., LTD.

Address: 3-1, Honmachibashi, Chuo-ku, Osaka, JAPAN

Division: Chemical Safety Management Department

Telephone number: +81-6-6946-8061

FAX: +81-6-6946-1607

e-mail address: kagakuhinanzenkanri@kishida.co.jp

### 2. Hazards identification

GHS classification and label elements of the product

Classification of the substance or mixture

#### HEALTH HAZARDS

Skin corrosion/irritation: Category 1

Serious eye damage/eye irritation: Category 1

Carcinogenicity: Category 1A

Specific target organ toxicity – single exposure: Category 1(respiratory system)

Specific target organ toxicity – single exposure: Category 2(respiratory system)

Specific target organ toxicity – single exposure: Category 3 (Respiratory tract irritation)

Specific target organ toxicity – repeated exposure: Category 1(respiratory system; immune system; kidney)

Specific target organ toxicity – repeated exposure: Category 2(respiratory system)

#### ENVIRONMENT HAZARDS

Hazardous to the aquatic environment (Acute): Category 3

Label elements



Signal word: Danger

#### HAZARD STATEMENT

Causes severe skin burns and eye damage

May cause cancer

Causes damage to organs(respiratory system)

May cause damage to organs(respiratory system)

May cause respiratory irritation

Causes damage to organs through prolonged or repeated exposure(respiratory system; immune system; kidney)

May cause damage to organs through prolonged or repeated exposure(respiratory system)

Harmful to aquatic life

#### PRECAUTIONARY STATEMENT

Prevention

Avoid release to the environment.

Do not breathe dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.



Wash contaminated parts thoroughly after handling.  
Wear protective gloves, protective clothing or face protection.  
Wear eye protection/face protection.  
Do not eat, drink or smoke when using this product.

**Response**

Get medical advice/attention if you feel unwell.  
IF exposed or concerned: Get medical advice/attention.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
Wash contaminated clothing before reuse.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**Storage**

Store in a well-ventilated place. Keep container tightly closed.

**Disposal**

Dispose of contents/container in accordance with local/national regulation.

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**3. Composition/information on ingredients****Mixture/Substance selection:****Mixture**

Ingredient name:Sodium hydroxide

Content (%):42-54

Chemical formula:HNaO

Chemicals No, Japan:1-410

CAS No.:1310-73-2

MW:40.00

ECNO:215-185-5

Ingredient name:Sodium carbonate

Content (%): $\leq 3.0$

Chemical formula:Na<sub>2</sub>CO<sub>3</sub>

Chemicals No, Japan:1-164

CAS No.:497-19-8

MW:105.99

ECNO:207-838-8

Ingredient name:Talc

Content (%): $\leq 6.0$

Chemical formula:-

Chemicals No, Japan:-

CAS No.:14807-96-6

MW:-

ECNO:238-877-9

Ingredient name:Silicon(IV) dioxide

Content (%):40

Chemical formula:SiO<sub>2</sub>

Chemicals No, Japan:1-548

CAS No.:7631-86-9

MW:60.08

ECNO:231-545-4



Ingredient name:Water

Content (%):4.8-7.2

Chemical formula:H<sub>2</sub>O

CAS No.:7732-18-5

MW:18.02

ECNO:231-791-2

Note : The figures shown above are not the specifications of the product.

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#### 4. First-aid measures

##### Descriptions of first-aid measures

###### General measures

Get medical advice/attention if you feel unwell.

###### IF INHALED

Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER/doctor/physician if you feel unwell.

###### IF ON SKIN (or hair)

Take off immediately all contaminated clothing. Rinse skin with water or shower.

If skin irritation or rash occurs: Get medical advice/attention.

###### IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

###### IF SWALLOWED

Rinse mouth. Do NOT induce vomiting.

Call a POISON CENTER/doctor/physician if you feel unwell.

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#### 5. Fire-fighting measures

##### Extinguishing media

###### Suitable extinguishing media

Use appropriate extinguishing media suitable for surrounding facilities.

The product is non-flammable.

###### Unsuitable extinguishing media

Unsuitable extinguishing media data is not available.

##### Specific hazards arising from the substance or mixture

Containers may explode when heated.

Fire may produce irritating, corrosive and/or toxic gases.

##### Advice for firefighters

###### Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

###### Special protective equipment and precautions for fire-fighters

Wear fire resistant or flame retardant clothing.

Wear protective gloves/protective clothing/eye protection/face protection.

Firefighters should wear self-contained breathing apparatus with full face piece operated positive pressure mode.



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## 6. Accidental release measures

### Personnel precautions, protective equipment and emergency procedures

Ventilate area until material pick up is complete.

Wear proper protective equipment.

### Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.

### Methods and materials for containment and cleaning up

Sweep up, place in a bag and hold for waste disposal.

### Preventive measures for secondary accident

Collect spillage.

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## 7. Handling and storage

### Precautions for safe handling

#### Preventive measures

(Exposure Control for handling personnel)

Do not breathe dust/fume/gas/mist/vapors/spray.

(Protective measures against fire and explosion)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

(Exhaust/ventilator)

Exhaust/ventilator should be available.

(Safety treatments)

Avoid contact with skin.

Avoid contact with eyes.

#### Safety Measures

Use only outdoors or in a well-ventilated area.

Wear protective gloves, protective clothing or face protection.

Wear eye protection/face protection.

When using do not eat, drink or smoke.

#### Any incompatibilities

See "10.Stability and Reactivity"

#### Advice on general occupational hygiene

Wash contaminated parts thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wash contaminated clothing before reuse.

### Storage

#### Conditions for safe storage

Keep container tightly closed.

Store in a cool, dry place. Do not store in direct sunlight.

Keep under lock and key.

#### Container and packaging materials for safe handling

Glass

Polyethylene

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## 8. Exposure controls/personal protection

### Control parameters

#### Adopted value

(Sodium hydroxide)

ACGIH(1992) STEL: C 2mg/m<sup>3</sup> (URT, eye & skin irr)

(Talc)

ACGIH(2010) TWA: 2mg/m<sup>3</sup>(E,R) (Pulm fibrosis; pulm func) (Containing no asbestos fibers)



TWA: 0.1f/cc(F) (Pneumoconiosis; lung cancer; mesothelioma) (Containing asbestos fibers)

**OSHA-PEL**

(Talc)

TWA: 20mppcf

(Sodium hydroxide)

TWA: 2mg/m<sup>3</sup>

**Exposure controls****Appropriate engineering controls**

Do not use in areas without adequate ventilation.

Eye wash station should be available.

Washing facilities should be available.

**Individual protection measures****Respiratory protection**

Wear respiratory protection.

**Hand protection**

Wear protective gloves.

**Eye protection**

Wear eye/face protection.

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**9. Physical and Chemical Properties****Information on basic physical and chemical properties**

Physical state: Granular

Color: Grayish black

Odor: None

Melting point/Freezing point data is not available.

Boiling point or initial boiling point data is not available.

Boiling range data is not available.

Flammability (gases, liquids and solids) data is not available.

Lower and upper explosion limit/flammability limit data is not available.

Flash point data is not available.

Auto-ignition temperature data is not available.

Decomposition temperature data is not available.

pH data is not available.

Kinematic viscosity data is not available.

Solubility:

Solubility in water data is not available.

n-Octanol/water partition coefficient data is not available.

Vapor pressure data is not available.

Density and/or relative density: No information

Relative vapor density (Air=1) data is not available.

Particle characteristics data is not available.

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**10. Stability and Reactivity****Reactivity**

Not available.

**Chemical stability**

Stable under normal storage/handling conditions.

**Possibility of hazardous reactions**

(Sodium hydroxide)

The solution in water is a strong base. It reacts violently with acid and is corrosive to metals such as aluminium, tin, lead and zinc. This produces a combustible/explosive gas



(hydrogen). Reacts with ammonium salts. This produces ammonia. This generates fire hazard.  
Contact with moisture and water generates heat. (ICSC 0360)

(Sodium carbonate)

The solution in water is a medium strong base. Reacts violently with acids. Reacts with magnesium and phosphorus pentoxide. This generates explosion hazard. Reacts with fluorine.

This generates fire hazard. (ICSC 1135)

#### Conditions to avoid

Contact with incompatible materials.

Contact with fire source.

#### Incompatible materials

Acids, Metals, Ammonium salts, Magnesium, Phosphorus pentoxide, Fluorine

#### Hazardous decomposition products

Hydrogen, Ammonia

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## 11. Toxicological Information

### Information on toxicological effects

#### Acute toxicity

##### Acute toxicity (Oral)

[GHS Cat. Japan, base data]

(Sodium carbonate)

rat LD50=2800mg/kg (SIDS, 2008)

(Silicon(IV) dioxide)

rat LD50 >3300mg/kg, >2000mg/kg and so on (ECETOC JACC, 2006; SIDS, 2006)

##### Acute toxicity (Dermal)

[GHS Cat. Japan, base data]

(Silicon(IV) dioxide)

rabbit LD50 >2000mg/kg, >5000mg/kg (ECETOC JACC, 2006; SIDS, 2006)

##### Acute toxicity (Inhalation)

[GHS Cat. Japan, base data]

(Sodium carbonate)

mist: rat LC50=1.2mg/L/4hr (SIDS, 2008)

#### Irritant properties

##### Skin corrosion/irritation

[GHS Cat. Japan, base data]

(Sodium hydroxide)

pig/rabbit severe necrosis (ACGIH 7th, 2001 et al)

##### Serious eye damage/irritation

[GHS Cat. Japan, base data]

(Sodium hydroxide)

rabbit corrosive (SIDS, 2009)

(Sodium carbonate)

rabbit severe irreversible eyes damage (SIDS, Access on Jul. 2008)

(Silicon(IV) dioxide)

rabbit recoverable eyes irritation (SIDS, 2006; ECETOC JACC, 2006)

Allergenic and sensitizing effects data is not available.

Mutagenic effects data is not available.

#### Carcinogenicity

[GHS Cat. Japan, base data]

(Silicon(IV) dioxide)

cat.1A; (ECETOC JACC No. 51, 2006)

(Talc)

IARC-Gr.2B : Possibly carcinogenic to humans (Talc-based body powder (perineal use of))

IARC-Gr.3 : Not Classifiable as a Human Carcinogen (Talc, not containing asbestiform)



fibres)  
(Silicon(IV) dioxide)  
IARC-Gr.3 : Not Classifiable as a Human Carcinogen  
(Talc)  
ACGIH-A4(2010) : Not Classifiable as a Human Carcinogen (Containing no asbestos fibers)  
(Talc)  
ACGIH-A1(2010) : Confirmed Human Carcinogen (Containing asbestos fibers)

Reproductive toxicity data is not available.

#### STOT

STOT-single exposure

[cat.1]

[GHS Cat. Japan, base data]  
(Sodium hydroxide)  
respiratory system (PATTY 5th, 2001)  
(Talc)  
respiratory system (ACGIH 7th, 2010)

[cat.3 (resp. irrit.)]

[GHS Cat. Japan, base data]  
(Sodium carbonate)  
respiratory tract irritation (SIDS, 2008)  
(Silicon(IV) dioxide)  
respiratory tract irritation (SIDS, 2006; ECETOC JACC, 2006)

[cat.3 (drow./dizz.)]

[GHS Cat. Japan, base data]  
(Sodium carbonate)  
narcotic effect (SIDS, 2008)

STOT-repeated exposure

[cat.1]

[GHS Cat. Japan, base data]  
(Talc)  
respiratory system (ACGIH 7th, 2010)  
(Silicon(IV) dioxide)  
respiratory system; immune system; kidney (ACGIH 7th, 2006)

Aspiration hazard data is not available.

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## 12. Ecological Information

### Ecotoxicity

#### Aquatic toxicity

Harmful to aquatic life

Hazardous to the aquatic environment (Acute)

[GHS Cat. Japan, base data]  
(Sodium hydroxide)  
Crustacea (Ceriodaphnia reticulata) LC50=40.4mg/L/48hr (SIDS, 2004)  
(Sodium carbonate)  
Crustacea (Daphnia) EC50=250mg/L/48hr (SIDS 2002)

#### Water solubility

(Sodium hydroxide)  
109 g/100 ml (20°C) (ICSC, 2010)  
(Talc)  
none (ICSC, 2012)  
(Sodium carbonate)  
0.53 g/100 ml (PHYSPROP\_DB 2008)

#### Persistence and degradability



Persistence and degradability data is not available.

Bioaccumulative potential  
Bioaccumulative potential data is not available.

Mobility in soil  
Mobility in soil data is not available.

Other adverse effects  
Ozone depleting chemical data is not available.

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### 13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

#### Waste treatment methods

Avoid release to the environment.  
Dispose of contents/container in accordance with local/national regulation.

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### 14. Transport Information

UN No. or ID No.: 1823  
UN Proper Shipping Name :  
SODIUM HYDROXIDE, SOLID  
Class or division (Transport hazard class) : 8  
Packing group : II  
ERG GUIDE No.: 154

#### IMDG Code (International Maritime Dangerous Goods Regulations)

UN No.: 1823  
Proper Shipping Name :  
SODIUM HYDROXIDE, SOLID  
Class or division : 8  
Packing group : II

#### IATA Dangerous Goods Regulations

UN No.: 1823  
Proper Shipping Name :  
SODIUM HYDROXIDE, SOLID  
Class or division : 8  
Hazard labels : Corrosive  
Packing group : II

#### Environmental hazards

MARPOL Annex III – Prevention of pollution by harmful substances

Marine pollutants (yes/no) : no

MARPOL Annex V – Prevention of pollution by garbage discharge

Carcinogenicity: cat.1, 1A, 1B

Silicon(IV) dioxide

Specific target organ toxicity – repeated exposure: cat.1

Silicon(IV) dioxide

#### Maritime transport in bulk according to IMO instruments

Silicon(IV) dioxide; Water

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### 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemicals listed in TSCA Inventory

Sodium carbonate; Sodium hydroxide; Silicon(IV) dioxide; Water; Talc

Other regulatory information





Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

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## 16. Other information

### GHS classification and labelling

Skin Corr. 1: H314 Causes severe skin burns and eye damage

Carc. 1A: H350 May cause cancer

STOT SE 1: H370 Causes damage to organs

STOT SE 2: H371 May cause damage to organs

STOT SE 3: H335 May cause respiratory irritation

STOT RE 1: H372 Causes damage to organs through prolonged or repeated exposure

STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure

Aquatic Acute 3: H402 Harmful to aquatic life

### Reference Book

Globally Harmonized System of classification and labelling of chemicals, UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN

IMDG Code, 2018 Edition (Incorporating Amendment 39-18)

IATA Dangerous Goods Regulations (62nd Edition) 2021

2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)

2021 TLVs and BEIs. (ACGIH)

Supplier's data/information

### General Disclaimer

This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

The GHS classification data given here is based on current Japan official data (NITE published in 2020).