



Safety Data Sheet

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

Product identifier:

Product name: Soda talc, granular 1.6–3.4mm (6–10mesh)

SDS No. : Q7080E–3

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

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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

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

Specific target organ toxicity – repeated exposure: Category 1(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

Causes damage to organs(respiratory system)

Causes 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.

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: Call a POISON CENTER/doctor/physician.

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.

Disposal

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

3. Composition/information on ingredients

Mixture/Substance selection:

Mixture

Ingredient name:Sodium hydroxide

Content (%):70–90

Chemical formula:HN₂O

Chemicals No, Japan:1–410

CAS No.:1310–73–2

MW:40.00

ECNO:215–185–5

Ingredient name:Talc

Content (%):≤10

Chemical formula:–

Chemicals No, Japan:–

CAS No.:14807–96–6

MW:–

ECNO:238–877–9

Ingredient name:Water

Content (%):8.0–12

Chemical formula:H₂O

CAS No.:7732–18–5

MW:18.02

ECNO:231–791–2

Ingredient name:Sodium carbonate

Content (%):≤5.0

Chemical formula:Na₂CO₃

Chemicals No, Japan:1–164

CAS No.:497–19–8

MW:105.99

ECNO:207–838–8

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

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.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Use appropriate extinguishing media suitable for surrounding facilities.

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.

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.

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

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

8. Exposure controls/personal protection

Control parameters

Adopted value

(Sodium hydroxide)
ACGIH(1992) STEL: C 2mg/m³ (URT, eye & skin irr)
(Talc)
ACGIH(2010) TWA: 2mg/m³(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/m³

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.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state: Granularity

Color: Blackish brown

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

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

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)

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)

Allergenic and sensitizing effects data is not available.

Mutagenic effects data is not available.

Carcinogenicity

(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)

(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)

[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)

Aspiration hazard data is not available.

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.

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.

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

Specific target organ toxicity – repeated exposure: cat.1

Talc



15. Regulatory Information

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

Chemicals listed in TSCA Inventory

Sodium carbonate; Sodium hydroxide; Water; Talc

Other regulatory information

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

16. Other information

GHS classification and labelling

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

STOT SE 1: H370 Causes damage to organs

STOT RE 1: H372 Causes 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).