

SAFETY DATA SHEET

1. Identification of the substance or mixture and of the supplier

GHS Product identifier: ซานิโซล ซี-80
SANISOL C-80

Other means of identification
SDS number: B0003604

Recommended use of the chemical and restrictions on use
Recommended use: Not available.
Recommended restrictions: Not known.

Supplier's details

Manufacturer

Company Name: Kao Industrial (Thailand) Co.,Ltd.
Address: O-NES Tower, 14th floor, 6, Soi Sukhumvit 6,
Klongtoey Sub-district, Klongtoey District, Bangkok 10110, Thailand
Telephone: +662-655-4433
Fax: +662-655-4545
Contact division: Chemical Business
E-mail: -

Emergency telephone number: 66-2-655-4433

2. Hazard(s) identification

GHS classification

Physical Hazards

Flammable liquids Category 3
Corrosive to metal Category 1

Health Hazards

Acute toxicity (Oral) Category 4
Acute toxicity (Dermal) Category 4
Skin Corrosion/Irritation Category 1
Serious Eye Damage/Eye Irritation Category 1

Unknown toxicity - Health

Acute toxicity, inhalation, dust or mist 87.3 %

Environmental Hazards

Acute hazards to the aquatic environment Category 1
Chronic hazards to the aquatic environment Category 1

Unknown toxicity - Environment

Acute hazards to the aquatic environment 0 %

Chronic hazards to the aquatic environment

0 %

Label Elements

Pictograms:



Signal Word:

Danger

Hazard Statement:

Flammable liquid and vapor.
May be corrosive to metals.
Harmful if swallowed or in contact with skin.
Causes severe skin burns and eye damage.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements Prevention:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Keep only in original packaging. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting. Use non-sparking tools. Take action to prevent static discharges. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse. Immediately call a POISON CENTER/doctor. In case of fire : Keep away from sources of ignition and use appropriate extinguishing media. Absorb spillage to prevent material damage.

Storage:

Store in a well-ventilated place. Keep cool. Store in corrosive resistant container with a resistant inner liner. Store locked up.

Disposal:

Passed to a licensed waste contractor.

Other hazards which do not result in GHS classification:

None.

3. Composition/information on ingredients

Mixtures

| Chemical Identity | Common name and synonyms | CAS number | Content in percent (%)* |
|---|--------------------------|--------------|-------------------------|
| Quaternary ammonium compounds, benzylalkyldimethyl, chlorides | | Trade Secret | 75 - 85% |
| Isopropyl alcohol | | 67-63-0 | |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Trade secret information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

| | |
|--|--|
| Inhalation: | Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. |
| Skin Contact: | Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER/doctor if you feel unwell. Wash contaminated clothing before reuse. |
| Eye contact: | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. |
| Ingestion: | Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. |
| Personal Protection for First-aid Responders: | No data available. |

Most important symptoms and effects, both acute and delayed

| | |
|------------------|--------------------|
| Symptoms: | No data available. |
| Hazards: | No data available. |

Indication of immediate medical attention and special treatment needed

| | |
|-------------------|--|
| Treatment: | Get medical attention if symptoms occur. |
|-------------------|--|

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

| | |
|--------------------------------------|---|
| Suitable extinguishing media: | Powder, alcohol-resistant foam, water spray, carbon dioxide, sand |
|--------------------------------------|---|

Unsuitable extinguishing media: No data available.

Special hazards arising from the substance or mixture: Produce irritating or toxic gases in a fire.

Special protective equipment and precautions for fire-fighters

Special fire-fighting procedures: Keep away from sources of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible. Do not flow the materials causing adverse effects into the environment with effluent fire extinguishing agents.

Special protective equipment for fire-fighters: Use goggles in combination with dust mask, and other protections as appropriate to situation. Risk of producing harmful gases such as carbon monoxide and phosgene. Avoid inhalation of smoke or gases.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation.

Accidental release measures: Keep away from sources of ignition and prepare extinguishing media.

Methods and material for containment and cleaning up: Small spills: Absorb spills with sand, inert absorbent, waste cloth or sawdust. Then wipe up remainder in waste cloth. Large spills: Dike spills and dispose of in safe area.

Environmental Precautions: Avoid release to the environment.

7. Handling and storage

Handling

Technical measures: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Iron is apt to rust. Plant equipment should be treated with rust-resist.

Local/Total ventilation: Use local exhaust ventilation.

Safe handling advice: Keep away from source of ignition. Avoid contact with skin and eyes. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using the product.

Contact avoidance measures: No data available.

Storage

| | |
|----------------------------------|---|
| Safe storage conditions: | Store in corrosive resistant container with a resistant inner liner. Keep container tightly closed. Store in a well-ventilated place. Store locked up. Keep away from source of ignition. |
| Safe packaging materials: | No data available. |

8. Exposure controls/personal protection**Control Parameters****Occupational Exposure Limits**

| Chemical Identity | Type | Exposure Limit Values | Source |
|-------------------|------|-----------------------|------------------|
| Isopropyl alcohol | TWA | 400 ppm | TH OEL (08 2017) |
| 2-Propanol | TWA | 200 ppm | ACGIH (2008) |
| | STEL | 400 ppm | ACGIH (2008) |

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

| | |
|--|--|
| Appropriate Engineering Controls: | Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use local exhaust ventilation. Iron is apt to rust. Plant equipment should be treated with rust-resist. |
|--|--|

Individual protection measures, such as personal protective equipment

| | |
|--------------------------------|---|
| Eye/face protection: | Safety goggles or Face shield |
| Hand Protection: | Gloves (alkali-resistant) |
| Other: | Alkali-resistant protective clothing |
| Respiratory Protection: | Use chemical cartridge respirator for alkalines, as appropriate to situation. |
| Hygiene measures: | No data available. |

9. Physical and chemical properties**Information on basic physical and chemical properties****Appearance**

| | |
|------------------------|----------------------------|
| Physical state: | Liquid |
| Form: | Liquid |
| Color: | Light yellow |
| Odor: | Slight characteristic odor |
| Odor Threshold: | No data available. |
| Freezing point: | < 20 °C/68 °F |
| Boiling Point: | > 40 °C/104 °F |
| Flammability: | No data available. |

Upper/lower limit on flammability or explosive limits

Explosive limit - upper: No data available.

Explosive limit - lower: No data available.

Flash Point: 53 °C/127 °F
Method: Tag closed cup

Auto-ignition temperature: > 100 °C/212 °F

Decomposition Temperature: No data available.

pH: 7 - 9
Method: 3% aqueous solution

Viscosity

Dynamic viscosity: No data available.

Kinematic viscosity: No data available.

Flow Time: No data available.

Solubility(ies)

Solubility in Water: Soluble

Solubility (other): Soluble in ethyl alcohol
Soluble in isopropyl alcohol

Partition coefficient (n-octanol/water): No data available.

Vapor pressure: No data available.

Relative density: No data available.

Density: 0.958 g/ml at 25 °C/77 °F

Relative vapor density: No data available.

Particle characteristics

Particle Size: No data available.

Particle Size Distribution: No data available.

10. Stability and reactivity

Reactivity: No data available.

Chemical Stability: Stable in general.

Possibility of hazardous reactions: Has no self-reactivity.

Conditions to avoid: No data available.

Incompatible Materials: No data available.

Hazardous Decomposition Products: No data available.

11. Toxicological information

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix: 619 mg/kg

Dermal

Product: ATEmix 1,361 mg/kg

Inhalation

Product: Dust and mist: Classification not possible due to insufficient data.
Vapour: No data available.
Not classified based on available data of component(s).

Skin Corrosion/Irritation

Product: No data available.

Components:

Quaternary ammonium compounds, benzylalkyldimethyl, chlorides Category 1B: (87)

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

Quaternary ammonium compounds, benzylalkyldimethyl, chlorides Category 1: (87)
Isopropyl alcohol Category 2: (87)

Respiratory or Skin Sensitization

Product: Skin: No data available.
Not classified based on available data of component(s).
Respiratory: Classification not possible due to insufficient data.

Carcinogenicity

Product: Classification not possible due to insufficient data.

IARC:

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro

Product: Ames test (TA98, TA100): Negative
Classification not possible due to insufficient data.

In vivo

Product: Classification not possible due to insufficient data.

Reproductive toxicity

Product: Classification not possible due to insufficient data.

Specific Target Organ Toxicity - Single Exposure

Product: Classification not possible due to insufficient data.

Components:

Isopropyl alcohol Category 3: narcotic effects: (87)

Specific Target Organ Toxicity - Repeated Exposure

Product: Classification not possible due to insufficient data.

Aspiration Hazard

Product: Classification not possible due to insufficient data.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

Quaternary ammonium Category 1: (21)
compounds, benzylalkyldimethyl,
chlorides

Chronic hazards to the aquatic environment

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Components:

Quaternary ammonium Category 1: (21)
compounds, benzylalkyldimethyl,
chlorides

Persistence and Degradability

Biodegradation

Product: No data available.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

13. Disposal considerations

Disposal methods: Review "HANDLING AND STORAGE (Section 7)". Passed to a licensed waste contractor. Incinerate with little portions. Risk of producing harmful gases such as carbon monoxide and phosgene. This material is containing flammable materials. Be careful in case of incineration. Remove the contents completely in case of disposal of the container.

Contaminated Packaging: No data available.

14. Transport information

IATA

UN Number: UN 2920
UN Proper Shipping Name: Corrosive liquid, flammable, n.o.s.
(Quaternary Ammonium Chloride, Isopropanol)
Transport Hazard Class(es):
Class: 8
Label(s): 8, 3
Packing Group: II
Excepted quantity: E2
Environmentally Hazardous: Yes
Marine Pollutant: No
Special precautions for user: Not Regulated.
Other information
Passenger and cargo aircraft: Allowed. 851
Cargo aircraft only: Allowed. 855

IMDG

UN Number: UN 2920
UN Proper Shipping Name: CORROSIVE LIQUID, FLAMMABLE, N.O.S.
(Quaternary Ammonium Chloride, Isopropanol)
Transport Hazard Class(es)
Class: 8
Label(s): 8, 3
EmS No.: F-E, S-C
Packing Group: II
Limited quantity: 1.00L
Excepted quantity: E2

Environmentally Hazardous: Yes
Marine Pollutant: Yes
Special precautions for user: Not Regulated.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

Domestic Standard: In compliance with domestic law.

Emergency Response Guide Number: 153

15. Regulatory information

Safety, health and environmental regulations specific for the product in question

Thailand. Reportable Hazardous Substances (Notification of Ministry of Industry Re: Bases respecting report of quantity of hazardous materials under Department of Industrial Works, B.E. 2547)

Quaternary ammonium compounds, benzylalkyldimethyl, chlorides Listed.

Thailand. List of Hazardous Substances (Notification of Ministry of Industry Re: List of Hazardous Substances B.E. 2556, Annex: Schedules 1 - 6)

Quaternary ammonium compounds, benzylalkyldimethyl, chlorides
Isopropyl alcohol

Inventory Status:

| | |
|---|--|
| US TSCA Inventory: | On or in compliance with the inventory |
| Canada DSL Inventory List: | On or in compliance with the inventory |
| Australia AICS: | On or in compliance with the inventory |
| Korea Existing Chemicals Inv. (KECI): | Contact us for information |
| Japan (ENCS) List: | On or in compliance with the inventory |
| Japan ISHL Listing: | On or in compliance with the inventory |
| Philippines PICCS: | On or in compliance with the inventory |
| China Inv. Existing Chemical Substances: | On or in compliance with the inventory |
| REACH (EU): | Contact us for information |
| Taiwan Chemical Substance Inventory: | On or in compliance with the inventory |

16. Other information, including date of preparation or last revision

Issue Date: 26.04.2021
Version #: 3.0
Source of information: No data available.
Further Information: No data available.

Disclaimer:

To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability (including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another, in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist. In the case of the product for fragrance, it's in accordance with the latest standard of IFRA within ordinary use. Contact with the supplier for detail information.

Reference:

(21): Estimation
(87): EU CLP Regulation Annex VI