

# SAFETY DATA SHEET

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

**GHS Product identifier:** SANISOL B-50

**Other means of identification**

**SDS number:** B0002731

**Recommended use of the chemical and restrictions on use**

**Recommended use:** Not available.  
**Recommended restrictions:** Not known.

**Supplier's details**

**Manufacturer**

**Company Name:** Kao Corporation  
**Address:** 1-3,Bunka 2-chome,Sumida-ku,Tokyo 131-8501 Japan  
**Telephone:** +81-3-5630-7700  
**Fax:** +81-3-5630-7889  
**Contact division:** Chemical Business  
**E-mail:** chemical@kao.co.jp

**Emergency telephone number:** +65-3158 1074(For chemical emergencies only)

## 2. Hazard(s) identification

**GHS classification**

**Physical Hazards**

Corrosive to metal Category 1

**Health Hazards**

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

**Unknown toxicity - Health**

Acute toxicity, inhalation, dust or mist 50.8 %

**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:** May be corrosive to metals.  
 Harmful if swallowed.  
 Causes severe skin burns and eye damage.  
 Very toxic to aquatic life with long lasting effects.

**Precautionary Statements**  
**Prevention:**

Keep only in original packaging. 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. This product may form gel totally or partially according to the storage conditions. In that case, please warm-up , then use as homogeneous liquid.

**Response:**

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/ physician if you feel unwell. 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. Absorb spillage to prevent material damage.

**Storage:**

Store locked up. Store in corrosive resistant container with a resistant inner liner.

**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 (%)
Alkyl(C12-16)benzylidimethyl ammonium chlorides	-	68424-85-1	50 - 55%

**4. First-aid measures**

**Description of first aid measures**

<b>Inhalation:</b>	Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
<b>Skin Contact:</b>	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.
<b>Eye contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
<b>Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.
<b>Personal Protection for First-aid Responders:</b>	No data available.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms:</b>	No data available.
<b>Hazards:</b>	No data available.

**Indication of immediate medical attention and special treatment needed**

<b>Treatment:</b>	Get medical attention if symptoms occur.
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**5. Fire-fighting measures**

**Suitable (and unsuitable) extinguishing media**

<b>Suitable extinguishing media:</b>	Powder, alcohol-resistant foam, water spray, carbon dioxide,sand
<b>Unsuitable extinguishing media:</b>	No data available.

<b>Special hazards arising from the substance or mixture:</b>	Produce irritating or toxic gases in a fire.
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**Special protective equipment and precautions for fire-fighters**

<b>Special fire-fighting procedures:</b>	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. Product itself is non-combustible.
<b>Special protective equipment for fire-fighters:</b>	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**

<b>Personal precautions, protective equipment and emergency procedures:</b>	Use goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation.
<b>Accidental release measures:</b>	Risk of slipping. Spilled material forms slippery floor.
<b>Methods and material for containment and cleaning up:</b>	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.
<b>Environmental Precautions:</b>	Avoid release to the environment.

<b>7. Handling and storage</b>
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**Handling**

<b>Technical measures:</b>	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.
<b>Local/Total ventilation:</b>	Use an adequate ventilation.
<b>Safe handling advice:</b>	Avoid contact with skin and eyes. This product may form gel totally or partially according to the storage conditions. In that case, please warm-up , then use as homogeneous liquid. 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.
<b>Contact avoidance measures:</b>	No data available.

**Storage**

<b>Safe storage conditions:</b>	Store in corrosive resistant container with a resistant inner liner. Store locked up.
<b>Safe packaging materials:</b>	No data available.

<b>8. Exposure controls/personal protection</b>
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**Control Parameters**

**Occupational Exposure Limits**

None of the components have assigned exposure limits.

**Appropriate Engineering Controls:**

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

**Individual protection measures, such as personal protective equipment**

<b>Eye/face protection:</b>	Safety goggles or Face shield
<b>Hand Protection:</b>	Rubber gloves

<b>Other:</b>	Full-body suit
<b>Respiratory Protection:</b>	Use chemical cartridge respirator for alkalines, as appropriate to situation.
<b>Hygiene measures:</b>	No data available.

**9. Physical and chemical properties**

**Information on basic physical and chemical properties**

**Appearance**

<b>Physical state:</b>	Liquid
<b>Form:</b>	Liquid
<b>Color:</b>	Colorless clear
<b>Odor:</b>	Slight characteristic odor
<b>Odor Threshold:</b>	No data available.
<b>Freezing point:</b>	-4.5 °C/23.9 °F
<b>Boiling Point:</b>	102 °C/216 °F
<b>Flammability:</b>	No data available.

**Upper/lower limit on flammability or explosive limits**

<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Flash Point:</b>	No data available.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>pH:</b>	7.8 Method: Undiluted solution

**Viscosity**

<b>Dynamic viscosity:</b>	137 mPa.s at 25 °C/77 °F
<b>Kinematic viscosity:</b>	No data available.
<b>Flow Time:</b>	No data available.

**Solubility(ies)**

<b>Solubility in Water:</b>	Soluble
<b>Solubility (other):</b>	Soluble in ethyl alcohol Soluble in isopropyl alcohol

<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Density:</b>	0.989 g/ml at 20 °C/68 °F 0.983 g/ml at 30 °C/86 °F
<b>Relative vapor density:</b>	No data available.

**Particle characteristics**

<b>Particle Size:</b>	No data available.
<b>Particle Size Distribution:</b>	No data available.
<b>Heat of combustion</b>	< 34 kJ/g

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable in general.
<b>Possibility of hazardous reactions:</b>	Has no self-reactivity.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	No data available.

## 11. Toxicological information

### Acute toxicity (list all possible routes of exposure)

**Oral Product:** LD 50 (Mouse, Male): 500 mg/kg (Data on active component)

**Dermal Product:** No data available.  
 Not classified based on available data of component(s).

**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:**  
 Alkyl(C12-16)benzyl dimethyl ammonium chlorides  
 Category 1B: (88)

### Serious Eye Damage/Eye Irritation

**Product:** No data available.

**Components:**  
 Alkyl(C12-16)benzyl dimethyl ammonium chlorides  
 Category 1: (88)

### Respiratory or Skin Sensitization

**Product:** Skin sensitization, Buehler Skin: (Guinea Pig): Negative  
 Skin sensitization, OECD TG442E Skin: : Negative  
 Skin: Not classified based on available data.  
 Respiratory: Classification not possible due to insufficient data.

**Carcinogenicity**

**Product:** No data available.  
 Not classified based on available data of component(s).

**Germ Cell Mutagenicity**

**In vitro**

**Product:** Ames test (TA98, TA100, WP2try-): Negative  
 Not classified based on available data.

**In vivo**

**Product:** Not classified based on available data.

**Reproductive toxicity**

**Product:** No data available.  
 Not classified based on available data of component(s).

**Specific Target Organ Toxicity - Single Exposure**

**Product:** Classification not possible due to insufficient data.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.  
 Not classified based on available data of component(s).

**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:**

Alkyl(C12-16)benzyl dimethyl ammonium chlorides  
 Category 1: (88)

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**  
**Product:** No data available.

**Components:**  
 Alkyl(C12-16)benzyl dimethyl ammonium chlorides  
 Category 1: (88)

**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.

**Contaminated Packaging:** No data available.

**14. Transport information**

**IATA**

UN Number:	UN 1760
UN Proper Shipping Name:	Corrosive liquid, n.o.s.(Quaternary Ammonium Chloride)
Transport Hazard Class(es):	
Class:	8
Label(s):	8
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 1760  
 UN Proper Shipping Name: CORROSIVE LIQUID, N.O.S.(Quaternary Ammonium Chloride)  
 Transport Hazard Class(es)  
 Class: 8  
 Label(s): 8  
 EmS No.: F-A, S-B  
 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:** 154

**15. Regulatory information**

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

**Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations:**  
 This product is subjected to the SDS, labelling, PEL and other requirements in the Act/Regulations.

**Fire Safety (Petroleum and Flammable Materials) Regulations**  
 Not applicable

**Inventory Status:**

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

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

**Issue Date:** 2023.11.22

**Version #:** 1.0

**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:**  
(88): ECHA-REACH Registered Substances Database