

SAFETY DATA SHEET

K-CARE® BKC80

Section 1. Identification

GHS product identifier: K-BIO BKC80
Other means of Identification: Not available.
Product type: Liquid
Material uses: Preservative.
Supplier/Manufacturer: No.9 Huanghai Rd, Bohai Chemical Park,
Yangkou Town, Shouguang, Shandong, China
In Case of Emergency: +86-15578804414

Section 2. Hazards identification

Classification of the substance or mixture: Acute toxicity - Oral, Category 4
Acute toxicity - Dermal, Category 4
Skin corrosion, Category 1B
Acute toxicity - Inhalation, Category 4



GHS label elements

Hazard pictograms:

Signal word:

Danger

Hazard statements:

Hazard Not

Otherwise

H302 Harmful if swallowed
H312 Harmful in contact with skin
H314 Causes severe skin burns and eye damage
H332 Harmful if inhaled

Precautionary statements

Prevention:

P264 Wash ... thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor/...if you feel unwell.
P330 Rinse mouth.
P302+P352 IF ON SKIN: Wash with plenty of water/...
P312 Call a POISON CENTER/doctor/...if you feel unwell.
P321 Specific treatment (see ... on this label).

Response:

P362+P364 Take off contaminated clothing and wash it before reuse.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P363 Wash contaminated clothing before reuse.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310 Immediately call a POISON CENTER/doctor/...
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage Disposal:

P405 Store locked up.
P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Section 3. Composition/information on ingredients

Substance/mixture: Substance

Ingredient name	%	CAS number
Dodecyl Dimethyl Benzyl Ammonium Chloride	70 - <85	8001-54-5

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- General Information:** Instantly remove contaminated clothing and launder before reuse. Wash contact areas thoroughly with, soap-and-water.
- After Inhalation:** Remove from further exposure and supply fresh air. If unconscious, seek medical attention urgently. Use mouth-to-mouth resuscitation on breathing.
- After eye Contact:** Open eyelids of the affected eyes and rinse thoroughly with a gentle stream of clean water for at least 15 minutes. Seek medical attention immediately.
- After Skin Contact:** Wash the affected skin thoroughly with plenty of water and soap. If skin reaction occurs, seek medical attention immediately.
- After swallowing:** Do not induce vomiting. Rinse out mouth and then drink plenty of water, if possible with activated carbon. Seek medical attention immediately

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media: Fire extinguishing powder, CO₂, water

Unsuitable extinguishing media: None known.

Special hazards arising from the chemical: Gases can be released - nitrogen oxides (NO_x), sulfur dioxides (SO₂), hydrogen chloride (HCl)

Special protective equipment for firefighters: Wear self-contained breathing apparatus

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ventilate closed spaces before entering.
Do not touch spilled material. Stop leak if you can do it without risk.
Move container to safe area from the leak area.
Remove all sources of ignition.
Do not direct water at spill or source of leak.
Avoid skin contact and inhalation.
Prevent runoff and contact with waterways, drains or sewers.

Methods and materials for containment and cleaning up:

If large amounts have been spilled, inform the relevant authorities.
Large spillage: Stay upwind and keep out of low areas. Dike for later disposal.
Notification to central government, local government. When emissions at least of the standard amount
Dispose of waste in accordance with local regulation.
Appropriate container for disposal of spilled material collected.
Small leak: sand or other non-combustible material, please let use absorption.
Wipe off the solvent.
Dike for later disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures:** Avoid direct physical contact.
Comply with all applicable laws and regulations for handling
Do not handle until all safety precautions have been read and understood.
Operators should wear antistatic footwear and clothing.
Do not inhale the steam prolonged or repeated.
Check regularly for leaks.
Do not use damaged containers.
Store according to current laws and regulations
Please pay attention to incompatibilities materials and conditions to avoid.

Section 8. Exposure controls/personal protection

Individual Protection Measures

Hygiene Protection:	Instantly remove any contaminated clothing. Avoid contact with eye and skin and inhalation of vapours. Wash hands before-and-after work. Keep work clothes separately.
Protection On Hand:	PVC or PE gloves
Eye Protection:	Tightly sealed safety glasses or goggles
Body Protection:	Protective work clothing
Hygiene measure:	Shower or bathe after contact with product.
Protective measure:	Facilities storing or utilizing this product must be equipped with an eyewash facility and a safety shower.
Breathing protection:	Generally not required; but critical value is exceeded; use gas mask with filter, e.g. DIN 3181.

Section 9. Physical and chemical properties

Physical state:	Liquid
Appearance:	Colourless
Odor:	Aromatic (Slight)
Taste:	Bitter (Strong)
pH at 25°C (10% in aqueous solution)	6.0~8.0
Vapor Pressure:	2.57kPa@ 20°C
Flash Point:	>93.9°C (201°F)
Evaporation Rate:	Estimated slower than ethyl ether
Freezing point:	>93.9°C (201°F)
Density at 20°C	0.950-1.050 g/mL
Initial Boiling Point	98.28°C (201°F)
Solubility in/Miscibility with water:	Easily soluble in water, methanol, acetone. Partially soluble in dimethyl ether.

Section 10. Stability and reactivity

Chemical stability:	This material is stable under recommended storage and handling conditions
Materials to avoid:	May react with strong oxidizing agents, slightly reactive with acids, alkalis.
Conditions to avoid:	Heat, flames and sparks.
Special remarks on reactivity:	Hygroscopic. Also incompatible with nitrates, anionic detergents.

Section 11. Toxicological information

Information on the likely routes of exposure:

Routes of entry:	Dodecyl Dimethyl Benzyl Ammonium Chloride Absorbed through skin. Eye contact
Toxicity to animals:	Acute oral toxicity (LD50): 240 mg/kg [Rat].
Chronic effects on humans:	Very hazardous in case of skin contact (irritant), of ingestion, Hazardous in case of skin contact (corrosive), of eye contact (corrosive), of inhalation (lung corrosive). Special Remarks on Toxicity to Animals: Not available.
Special remarks on chronic effects on humans:	May affect genetic material (mutagen) and cause adverse reproductive effects (fetotoxicity, fertility (female)) based on laboratory experiments on animals.
Special remarks on other toxic effects on humans:	Acute Potential Health Effects: Skin: Causes skin irritation and skin burns. Eyes: Causes eye irritation and eye. Burns Ingestion: Harmful if swallowed. Causes gastrointestinal/digestive tract irritation and burns. May affect behavior (central nervous system depression, depression) and metabolism. May produce burning pains in the mouth, throat, and abdomen, profuse salivation, muscle weakness. May also affect the respiratory system and cardiovascular system, liver and kidneys. Inhalation: May cause respiratory tract and mucous membrane irritation with sore throat, coughing, shortness of breath, and delayed lung edema. May cause chemical burns to the respiratory tract. High vapor concentrations may cause nervous system effects. Chronic Potential Health Effects: May affect material (mutagenic) and may cause adverse reproductive effects. Prolonged or repeated skin contact may cause dermatitis. Repeated or prolonged exposure may cause allergic reactions in sensitive individuals. May cause cyanosis of the skin and lips caused by lack of oxygen.

Section 12. Ecological information

Other Dodecyl Dimethyl Benzyl Ammonium Chloride:

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, Long term degradation products may arise.

Other adverse effects No known significant effects or critical hazards.

Section 13. Disposal considerations

Environmental precautions: Caution. Prevent spills and cleaning run off out of municipal sewers and open bodies of water .

Special precautions for disposal: The user of this product must dispose by oneself or entrust it to a waste disposer, a person who recycles other's waste or/and operates waste disposal facilities. Dispose of waste in accordance with all applicable laws and regulations.

Section 14. Transport information

	UN	IMDG	IATA
UN Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No	No	No
Additional information	-	-	-

Special precautions for user:

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code:

Not available

Section 15. Regulatory information

Safety, health and environmental regulations specific for the product:

No known specific national and/or regional regulations applicable to this product (including its ingredients).

Product registration:

Australia Inventory (AICS): This material is listed or exempted

China Inventory (IECSC): This material is listed or exempted

Japan Inventory (ENCS): This material is listed or exempted

Japan Inventory (ISHL): Not determined

Korea Inventory: This material is listed or exempted

Malaysia Inventory (EHS Register): This material is listed or exempted

New Zealand Inventory of Chemicals (NZIoC): This material is listed or exempted

Philippines Inventory (PICCS): This material is listed or exempted

Taiwan Chemical Substance Inventory (TCSI): This material is listed or exempted

Turkey Inventory: This material is listed or exempted

United States Inventory (TSCA 8b): This material is listed or exempted

Europe Inventory (IECSC): This material is listed or exempted

Canada Inventory (IECSC): This material is listed or exempted

Section 16. Other information

Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

CDI ASIA urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.