



Material Safety Data Sheet

GX100

Company/Undertaking Identification

Guangzhou Plant Chain Beauty Technology Co., Ltd.

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Emergency telephone number

Plant Chain: Tel. +86-020-31477707

Manufacturer

Shanghai Zhongxiang Fine Chemical Co., Ltd

Address: Building 3,276, Lane 705, Nanxiang Town, Jiading District, Shanghai

Contact number: 021-59250006

Emergency contact number: 021-59250006

Part 1: Component identification

Trade name:DioKat® GX100

INCI name:STEARTRIMONIUM CHLORIDE

Part 2: INGREDIENTS/INFORMATION ON INGREDIENTS

INCI name	CAS No.	%
STEARTRIMONIUM CHLORIDE	112-03-8	29.0-31.0
WATER	7732-18-5	69.0-71.0

Part 3: Hazard Identification

Hazard category: No data available

UN Number: No information available

Invasion route: inhalation, ingestion, percutaneous absorption.



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Health hazards: May cause serious eye irritation and possible injury. Causes irritation to the skin and respiratory tract.

Inhalation: Causes respiratory tract irritation

Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed

Skin contact: has a degreasing effect on the skin

Eye contact: Serious hazard. Causes severe eye irritation, which can lead to corneal damage.

Chronic impact: Possible impact, no data available.

Environmental hazard: This product is considered a powerful water pollutant and is highly toxic to aquatic organisms.

Explosion hazard: No data available.

Part 4 First Aid Measure

Skin contact: Immediately remove contaminated clothing and rinse with plenty of clean water for at least 15-20 minutes. If no burns occur, wash the skin with soap and water. Get medical attention. Contaminated clothing needs to be cleaned before reuse.

Eye contact: Remove any contact lenses and open the eyelids as much as possible.

Immediately rinse with plenty of water for at least 15-20 minutes. If irritation persists, continue rinsing during hospital visit. Get medical attention.

Inhalation: Quickly remove to fresh air. Keep respiratory tract unobstructed. If breathing is difficult, give oxygen. If breathing stops, perform artificial respiration.

Ingestion: Rinse your mouth immediately and drink plenty of water. Do not induce vomiting unless performed by medical personnel. Do not give anything orally to an unconscious person. Get medical attention immediately.

Precautions for doctors: Actively treat according to symptoms.

Part 5 Fire protection measures

Hazard characteristics: No data available.



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Hazardous combustion products: Gases (HCl, nitrogen oxide NO_x) that may form harmful to health in a fire. This product can cause dust explosion when it is in sufficient quantity and the particle size is appropriate.

Fire extinguishing method and extinguishing agent: In case of fire, wear a positive pressure self-contained breathing device and a complete set of protective equipment approved by MSHA/NIOSH or equivalent. Use foam, carbon dioxide, dry powder and water mist to extinguish the fire.

Part 6 Accidental release measures

Personal precautions: Use appropriate protective clothing and equipment. Avoid inhalation of vapor mist and contact with skin and eyes

Environmental protection measures: Do not allow discharge to sewers, drains, or the ground.

Cleaning method: After cleaning with absorbent materials, collect and place in a suitable treatment container. Ensure good ventilation.

Large spills: Use sand, sawdust, or other absorbent materials to intercept and absorb the leaked material.

Small spills: Use suitable absorbent materials to absorb spills. Flush contaminated areas with large amounts of water

Emergency treatment: Cut off the source of leakage as much as possible. Evacuation area: Wear appropriate personal protective equipment. Ventilation area: Use inert materials such as vermiculite and sand to absorb the leakage, clean it and then put it into a suitable container for treatment. Wash contaminated surfaces to remove debris.

Part 7 Handling and storage

Allowable concentration: No data available.

Monitoring method: No data available

Engineering Control: Places where this product is stored or used should be equipped with an



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eye wash and safety shower facilities. Use good ventilation to minimize the concentration of this product in the air.

Hygienic measures: Do not eat, drink, or smoke when using. Wash hands after contact.

Respiratory system protection: Wear a NIOSH/MSHA approved respirator under special circumstances.

Eye/face protection: Wear chemical goggles and masks.

Body Protection: Wear appropriate protective clothing to prevent skin contact.

Hand protection: Wear appropriate protective gloves to prevent skin contact

Other protections: No data available.

Part 8 Exposure control and personal protection

Precautions for operation: Strengthen ventilation. Do not touch eyes and avoid contact with skin. It is recommended that operators wear appropriate protective clothing as required, including protective gloves, protective shoes, work clothes, and other protective equipment. Wash thoroughly after handling. Remove contaminated clothing and wash clothing before reuse.

Storage precautions: This product should be stored in a closed container, in a cool, dry, well ventilated place away from prohibited substances. It is only stored together with coexisting chemicals. Protect against moisture. The storage area should be equipped with leakage emergency treatment equipment and suitable storage materials.

Other precautions: Water supply and eye washing facilities can be easily used. Do not store near heat sources or in contact with excessive temperatures.

Part 9 Physical and chemical information

appearance	Colorless transparent to milky white flocculent liquid
Color	Colorless transparent to milky white



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odour	characteristic
pH	3.0-6.0(1% .)
melting point°C	No data
boiling point°C	No data
Upper/lower flammability or explosive limits	No data
Saturated vapor pressure	33 mmHg at 20°C
Solubility	Water-soluble
relative density	No data
flash point °C	No data

Part 10 Stability and reactivity

Stability: It is stable to store in a closed container at room temperature under normal storage and handling conditions.

Incompatible substance: strong oxidizing substance

Conditions to avoid contact: heat, exposure to humid air or water

Polymerization: cannot occur

Hazardous decomposition products: Proper storage and handling will not occur. If heated to over 200 °C, the following substances will be released: alkyl chlorides, amines. It may decompose into hydrogen chloride, nitrogen oxides, carbon monoxide, and carbon dioxide.

Part 11 toxicological information

Acute toxicity: CAS #: 112-03-8: Skin, Rabbit: LD50=4300 uL/kg/24h

Sub acute and chronic toxicity: Irritating to skin and mucous membranes, but also strongly irritating to eyes



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Inhalation: Inhalation of aerosols may cause irritation to the respiratory system.

Skin contact: has a degreasing effect on the skin

Eye contact: Risk of serious eye damage. First aid is necessary

Ingestion: Harmful if swallowed. May cause nausea, stomach pain, and vomiting.

Specific impact: None.

Mutagenicity: No data available

Carcinogenicity: CAS # 112-03-8: ACGIH, IARC, NIOSH, NTP, or OSHA not listed

Teratogenicity: No information available.

Part 12 Ecological information

Ecotoxicological toxicity: Highly toxic to aquatic organisms.

Chloride ($0.001 < EC_{50} \text{ value} \leq 0.01 \text{ mg/L}$):

LC₅₀ (fish, 96 hours): 1,2 mg/L (OECD Test Guideline 203)

Fish: zebrafish, 96 hours: half lethal concentration (LC₅₀) 0.7 mg/L

EC₅₀ (Daphnia magna, 48 hours): 0.03 mg/L (OECD Test Guideline 202)

IC₅₀ (Pseudokirchneriella subcapitata, 72 hours): 0.008 mg/L (OECD Test Guideline 201)

Biodegradability: This product is easily biodegradable, about 70% (FeF Chemical A/S Company, 1993)

Bioaccumulation or bioaccumulation: Not expected to be bioaccumulated

E Fluidity: This product is soluble in water and may spread in the water system.

Note: This product is considered a powerful water pollutant and is not allowed to enter soil, rivers, or sewage networks.

Part 13 Disposal precautions

Waste disposal methods: The disposal of waste must be carried out in accordance with relevant regulations of the local government, such as the "Regulations on the Safety



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Management of Hazardous Chemicals" promulgated by the Chinese government in 1987 and the United States Federal Regulations (40CFR261, 262, 263, 264). Use a chemical incinerator equipped with an afterburner and scrubber for incineration disposal.

Part 14 Transportation information

Dangerous Goods No.: 8

UN Number: 1759

Packaging mark: Corrosive product, black on top and white on bottom

Packaging category: Class III packaging

Packaging method: 50kg plastic bucket.

Transportation precautions: During transportation, it is necessary to prevent exposure to sunlight, rain, and high temperatures. During stopovers, stay away from sparks, heat sources, and high temperature areas

Land/Road/Rail: No restrictions

Inland waterways: unlimited

Sea transportation: unlimited

Aviation: unlimited



Part 15 Regulatory information

The Regulations on the Safety Management of Hazardous Chemicals (issued by the State Council on February 17, 1987) provide corresponding regulations for the safe production, use, storage, transportation, loading and unloading of hazardous chemicals.

The recipient should have the responsibility to understand relevant national or local laws and regulations

EC classification

Label name: Stearyltrimethylammonium chloride, not listed as a hazardous substance according to EU standards



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Hazard symbol: XN N

National regulations: listed in the TSCA directory: Yes

Listed in non DSL directory: Yes

Listed in AICS directory: Unknown

In the list of provinces of production: existing in the existing chemical list

High Production Representative List (OECD HPV)

List of Existing Chemical Substances in China

This Chemical Safety Data Sheet complies with the following relevant national standards:

GB16483-2000, GB13690-1992, GB6944-1986, GB/T15098-1994, GB18218-2000, GB15258-2000, GB6944-86, GB190-90, GB191-90, GB12268-90, GA57-93, GB/T 15098-94, GBZ 2-2002, and related regulations: "Management Rules for the Transport of Dangerous Goods" (promulgated by the Ministry of Railways in 1995)

Regulations on the Safety Management of Hazardous Chemicals (promulgated by the State Council in 2002)

United Nations Recommendation on the Transport of Dangerous Goods (UN RTDG)

Part 16 Other information

The above information is believed to be correct, but it is not claimed to be all-inclusive and should be used only as a guide. It is provided without any guarantee. It is the user's responsibility to observe and comply with the applicable products or information mentioned here.