

Largent Health Safety Data Sheet

Product: FiteBac® Antimicrobial Cavity Cleanser
MSDS ID: FACC-001

Revised Date: 07_27_2022
Replaces Date: 10_01_2020

1. Product and Company Identification

Product Code:
Trade Name(s): FiteBac® Antimicrobial Cavity Cleanser
Product Type: A solution of 2% K21 Quaternary Ammonium Silane-Functionalized (QAS)
Material in USP 95% ethanol
Recommended Use: Cavity Cleanser
Restrictions: For Rx Use Only
Company: Largent Health LLC
3698 Largent Way, Suite 101
Marietta, GA 30064
Telephone: 770.218.6221

**For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC
1-800-424-9300 / +1 703-527-3887 CCN 865786**

2. Hazards Identification

EMERGENCY OVERVIEW:

OSHA Hazards:
Flammable liquid, Target Organ Effect, Carcinogen

GHS Classification:
Skin Irritation Category 2 (H315)
Eye irritation Category 2A (H319)
Skin Sensitization Category 1 (H317)

For the full text of the H-Statements mentioned in this Section, see Section 16.

PICTOGRAM



SIGNAL WORD
Danger

HAZARD STATEMENT(S)

H225 Highly flammable liquid and vapor.
H319 Causes serious eye irritation.

PRECAUTIONARY STATEMENT(S)

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

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P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash skin thoroughly after handling.
P280	Wear protective gloves/ eye protection/ face protection.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 +P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P403 + P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to an approved waste disposal plant.

3. Composition Information

**SUBSTANCE / MIXTURE
GENERIC NAME**

MIXTURE
K21 Antimicrobial material in ethanol

INGREDIENT	CAS No:	Classification	Concentration
K21 QAS	1566577-36-3	Ac tox. 4	2%
95% USP Ethanol (ethyl alcohol)	64-17-5	Flam. Liq. 2; Skin irrit. 2; Eye Irrit..2B; STOT SE 3	98 %

4. First Aid Measures

GENERAL ADVICE:

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

INHALATION

Remove the victim to fresh air. If not breathing, give artificial respiration. Consult a physician..

SKIN CONTACT

Remove all contaminated clothing, shoes and socks from the affected areas as quickly as possible. Wash the affected area under tepid running water using a mild soap.

EYE CONTACT

Gently rinse the affected eyes with clean water for at least 15 minutes. Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

INGESTION

Do not induce vomiting. Do not give an unconscious person anything to drink. Get medical attention.

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5. Fire and Explosion Hazard Data

SPECIFIC HAZARDS WITH REGARD TO FIRE-EXTINGUISHING MEASURES

Shut off the supply. Use extinguishing equipment from the up-wind side. If necessary wear protective clothing including a breathing apparatus.

If the fire extends to the surrounding area, cool the facilities by spraying with water.

Immediately move containers to safe place if possible.

EXTINGUISHING MEDIA

In case of fire use water spray, alcohol-resistant foam, dry chemical powder, carbon dioxide, dry sand.

SPECIAL HAZARDS ARISING FROM THE MIXTURE

No data available.

6. Accidental Release Measures

CAUTIONS FOR PERSONNEL

Wear proper equipment and avoid contact with skin and inhalation of vapor. Keep personnel away from downwind of any fire. Shut off all sources of ignition.

CAUTIONS FOR ENVIRONMENT

Prevent spills from entering waterways.

REMOVAL MEASURE

Shut off the leakage source to stop the leakage. For small spill, absorb spill with absorbent and collect in chemical waste container. For large spill, prevent contamination of surrounding area and move material to a safe place for collection.

PREVENTION OF SECOND ACCIDENT

Remove nearby sources of ignition and prepare extinguishing media.

7. Handling and Storage

HANDLING

Engineering measures

Avoid contact with skin and eyes. Wear proper protective equipment to prevent contact with skin or inhalation of the vapor. Pay attention to fire – keep away from sources of ignition. No Smoking.

Cautions for safety handling

Ensure good ventilation of the work station. Wear personal protective equipment.

STORAGE

Adequate storage condition

Keep container tightly closed and in a dry and well-ventilated place. Avoid direct rays from the sun. No fire.

Safety adequate container materials

Glass, steel, stainless

8. Exposure Controls and Personal Protection Measures

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

Components	CAS-No.	Value	Control paramete	Basis
Ethanol	64-17-5	TWA	1,000 ppm	USA. ACGIH Threshold Limit Values (TLV)

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Remarks	Upper Respiratory Tract Irritation. Confirmed animal carcinogen with unknown relevance to humans			
	TWA	1,000 ppm 1,900 mg/m3		USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
	TWA	1,000 ppm 1,900 mg/m3		USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
	The value in mg/m3 is approximate.			
	TWA	1,000 ppm 1,900 mg/m3		USA. NIOSH Recommended Exposure Limits

ENGINEERING MEASURES

Use only with adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION

If necessary, wear a full face respirator with multipurpose combination cartridges as a backup to engineering controls.

EYE PROTECTION

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)

SKIN AND BODY PROTECTION

Handle with gloves. Use protective clothing of flame retardant and antistatic materials, protective boots.

9. Physical / Chemical Characteristics

APPEARLANCE, PHYSICAL STATE, COLOR, ODOR

Liquid, Colorless, Characteristic Alcohol Odor

SAFETY DATA

Boiling point	78°C (172°F) <Ethanol>
Melting point	-114°C (-173°F) <Ethanol>
Flash Point	14°C (57°F) <Ethanol>
Explosion Limit	Upper : 19 vol%, Lower : 3.3 vol% <Ethanol>
Vapor Pressure	59.5 hPa (20°C) <Ethanol>

10. Reactivity Hazard Data

STABILITY

Stable under recommended storage conditions.

CONDITIONS TO AVOID

May polymerize on exposure to light. Heat flames and sparks. Extremes of temperature and direct sunlight.

REACTIVITY

No data available .

INCOMPATIBILITY

Oxidizing agents, alkali metals, peroxides, bases, acids, reducing agents, halogens.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide (under fire conditions) .

11. Toxicological Information

Acute Toxicity (Oral)	LD50I – rat – 7,060 mg/kg <Ethanol>
Acute Toxicity (Dermal)	No data available
Acute Toxicity (Inhalation)	LC50 – rat – 10 h – 20,000 mg/m ³ <Ethanol>
Acute Toxicity (Dusts and Mists)	No data available
Skin Corrosion /Irritation	No data available

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Serious Eye Damage /Eye Irritation No data available
Respiratory or Skin Sensitization No data available
Carcinogenicity Mouse – Oral
Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Liver:Tumors. Blood:Lymphomas including Hodgkin's disease.
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive Toxicity Human – female – Oral <Ethanol>
Effects on Newborn: Apgar score (human only). Drug dependence <Ethanol>
Specific Target Organ Toxicity (Single Exposure) May cause respiratory irritation.
Specific Target Organ Toxicity (Repeated Exposure) No data available
Aspiration Hazard No data available

12. Ecological Information

Hazardous to the Aquatic Environment (Acute) Not Classified
Hazardous to the Aquatic Environment (Chronic) Not Classified

13. Disposal Considerations

This material may be burned in a chemical incinerator equipped with an afterburner. Follow all regulations in your country.

14. Transport Information

DOT (US)

UN Class	Class 3 (Flammable liquid)
UN number	1993
UN proper shipping name	Flammable Liquid n.o.s (Ethanol)
Packing group	II
Reportable Quantity (RQ)	-
Marine pollutant	No

IATA

UN Class	Class 3 (Flammable liquid)
UN number	1993
UN proper shipping name	Ethanol
Packing group	II
Sub risk	-

Follow all regulations in your country.

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15. Regulatory Information

TSCA Status:

Product is exempt from listing on the TSCA inventory as it is a regulated medical device under FDA regulations. For use by a licensed dental professional

OSHA Hazards

Flammable liquid, Target Organ Effect, Carcinogen

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Fire Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

Ethanol CAS-No. 64-17-5

Pennsylvania Right To Know Components

Ethanol CAS-No. 64-17-5

New Jersey Right To Know Components

Ethanol CAS-No. 64-17-5

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

HMIS Classification:

Health Hazard: 2*
Flammability: 3
Physical Hazards: 0

NFPA Rating:

Health Hazard: 2*
Fire: 3
Reactivity Hazard: 0

The opinions expressed herein are those of qualified experts within Largent Health. We believe that the information contained herein is current, as of the date of this SDS. Because the use of this information and of these opinions, and the conditions of use of this product, are not within the control of Largent Health, it is the user's legal obligation to determine the conditions of safe use of this product.