



1 Identification

GHS Product Identifier

NutraSpear Bacteriostatic Sanitizing Spray

Other means of identification

NutraSpear Sanitizing Spray

Recommended use of the chemical and restriction on use

A spray with anti-bacterial activity for cleaning and sanitizing hard surfaces.

Supplier's details

JDM Technology Inc
20628 Corsair Blvd
Hayward, CA 94545

+1 510.455.8778

Emergency phone number

For medical emergencies, contact your local poison control center.

2 Hazard(s) identification

Classification of the substance or mixture

H319; 2A Moderate irritation to the eyes

GHS label elements

Causes serious eye irritation

Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. IF eye irritation persists: Get medical advice/attention.

Other hazards which do not result in classification

This product does not contain any PBT or V PVB substances.

3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
3-(trimethoxysilyl) propyldimethloctadecyl ammonium chloride	199111-50-7	248-595-8	0.54	Active
Trade Secret	000-00-0		0	SPECIFIC CHEMICAL NAME(S) AND CAS NUMBER(S) MAY BE A TRADE SECRET AS ALLOWED BY 29 CFR 1910.1200

4 First-aid measures

Description of necessary first-aid measures

Eye Contact:

Hold eye open and rinse slowly and gently with water for 15-20. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, seek professional medical advice/attention.

5 Fire-fighting measures

Suitable extinguishing media

This product is not flammable. Use extinguishing media appropriate to the surrounding fire conditions.

Specific hazards arising from the chemical

In the event of a large fire, toxic fumes containing oxides of carbon may be formed. This would necessitate the use of a self-contained breathing apparatus.

Special protective actions for fire-fighters

Standard protective equipment should be worn by firefighters; focus on eye/face protection.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with the impregnating fluid with the eyes.

Environmental precautions

Advise local authorities if large spills cannot be contained. Do not allow product to enter drains. Do not flush into surface water. Prevent further spillage if safe.

Methods and materials for containment and cleaning up

NutraSpear may need to be deactivated during cleanup. To deactivate NutraSpear, use equivalent amount of anionic surfactant such as soap.

Absorb with inert, absorbent material. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. Avoid release to the environment.

7 Handling and storage

Precautions for safe handling

Avoid contact with eyes. Wear suitable eye protection. Do not eat or drink where this product is stored.

Conditions for safe storage, including any incompatibilities

Keep out of the reach of children. Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labeled containers. Do NOT allow to freeze. Avoid release to the environment.

8 Exposure controls/personal protection

Control parameters

This product comes in the form of a wipe, so spillages aren't likely.

Appropriate engineering controls

Keep in a cool, dry, well ventilated area.

Do not empty into drains or flush into surface water.

Individual protection measures

Avoid contact with eyes. Wear adequate eye protection during use if risk of contact is high.

9 Physical and chemical properties

Physical and chemical properties

Color:	Colorless/Clear
Odor:	Un-fragranced but characteristic mild alcohol odor
Odor threshold:	Not available
pH:	~6.5
Melting Point:	Not available
Initial Boiling Point and boiling range:	~100°C
Flash Point:	>100°C
Evaporation Rate:	Not available
Flammability (solid, gas):	None
Upper/Lower flammability or explosive limits:	None
Vapor Pressure:	Not Available
Vapor Density:	Not Available
Relative Density:	.97 Grams/ML
Solubility(ies):	Impregnating fluid completely soluble/miscible in water
Partition coefficient n- octanol/water:	Completely miscible with water
Auto-ignition temperature:	Not Available
Decomposition temperature:	Not Available
Viscosity:	Water thin
Explosive properties:	None
Oxidising properties:	Not available

10 Stability and reactivity

Reactivity

This product is stable under normal conditions of storage/use and no chemical incompatibility is known.

Chemical stability

Stable under recommended storage and handling conditions. The product is not flammable. Will not decompose if stored and used as recommended.

Possibility of hazardous reactions

Strong acids and Strong bases. Strong oxidizing agents.

Conditions to avoid

Avoid excessive heat. Do not allow to freeze.

Incompatible materials

Strong acids and Strong bases. Strong oxidizing agents.

11 Toxicological information

Toxicological (health) effects

Acute toxicity:	None
Skin corrosion/irritation:	None
Serious eye damage/irritation:	Causes moderate eye irritation.
Respiratory or skin sensitization:	None

Germ Cell Mutagenicity:	No mutagenic effects reported.
Carcinogenicity:	Non-Carcinogenic.
Reproductive Toxicity:	No teratogenic effects reported.
STOT-single exposure:	Not classified as a specific target organ toxicant after a single exposure.
STOT-repeated exposure:	Not classified as a specific target organ toxicant after a repeated exposure.
Aspiration hazard: C9-11, ethoxylated	Based on available data the classification criteria are not met. Alcohols, Dermal Rabbit LD50: >2000 mg/kg Oral Rat LD50: >2000 mg/kg

12 Ecological information

Toxicity

Alcohols, C9-11, ethoxylated	Fish LC50/96h: 10 mg/l	Algae IC50/72h: 10 mg/l
	Daphnia EC50/48h: 10mg/l	

Carbamic acid, butyl-, 3-iodo-2-propynyl ester	Fish LC50/96h: 0.067 mg/l	Daphnia EC50/48h: 0.04mg/l
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Persistence and degradability

The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in the Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request of a detergent manufacturer.

Bio accumulative potential

No data available

Mobility in soil

The product is soluble in water

Results of the PBT and vPvB assessment:	The product does not contain any PBT or vPvB substances
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Other adverse effects

Not known

13 Disposal considerations

Disposal methods

Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in accordance with applicable federal, state or local procedures.

Containers: Procedures in accordance with state and local regulations must be observed.

14 Transport information

UN Number

DOT: Not Regulated.

TDG: Not Regulated.

ICAO/IATA: Not Regulated.

IMDG/IMO: Not Regulated.

UN CLASSIFICATION: Not classified as a hazardous material for transport.

15 Regulatory information

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

U.S. Federal Regulations:

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories:

Acute Health Hazard: No

Chronic Health Hazard: No

Fire Hazard: No

Sudden release of pressure hazard: No

Reactive Hazard: No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122-42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

Threshold Limit Value: OSHA PEL – N/A

ACGIH TLV – N/A

NOTE: Threshold limit values defined by local regulations must be observed.

U.S. State Regulations:

California Proposition 65 – This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations – N/A

International Inventories – N/A

16 Other information

Other information

NFPA and HMIS ratings assigned to this product are based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, the customer must ensure that the proper personal protective equipment is provided consistent with the information contained within the product Safety Data Sheet.