



SAFETY DATA SHEET

Manufacturer; NuSheen Products Company
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Cincinnati, Ohio 45223
513-541-2225

Date 4-2-2015
Preparer: Ted Korzep
24 Hour Transportation Emergency # 1-800-535-5053

Product Name: Bio-San
Label Name: NuSheen
Product # 127

Product Use: Multi-Surface Foodservice Sanitizer
Use only for the purpose on the label

Section 2 - Hazards Identification

PRODUCT AS SOLD

Classification: Corrosive: Skin and Eye irritant – Category 1C
Signal word: DANGER

PRODUCT AT USE DILUTION

Not classified
No signal word



Hazard statement: Causes eye irritation.
Precautionary Statements: Do not breathe mist/vapors/spray.
Wash hands, face and any skin contact after handling.
Wear protective gloves, clothing and eye/face protection.

Skin:	May aggravate skin disorders	No known significant effects or critical hazards
Eyes:	Irritation or burning sensation and clouding.	No known significant effects or critical hazards
Inhalation:	This product may cause irritation to the nose, throat respiratory tract.	No known significant effects or critical hazards
Ingestion:	This product may cause irritation to the gastrointestinal tract. Exposure characterized by nausea, vomiting, diarrhea, abdominal pain. DO NOT induce vomiting.	No known significant effects or critical hazards

Section 3- Composition – information on ingredients

PRODUCT AS SOLD

Chemical Name	CAS#	WT%
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	3-5
Alkyl dimethyl ethylbenzyl ammonium chloride	68956-79-6	3-5
Ethanol	64-17-5	<1%

Within the present knowledge of the manufacturer, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

Section 4 - First Aid Procedures

PRODUCT AS SOLD

Skin: Remove contaminated clothing. Wash the product off skin with soap and water. Seek medical attention if irritation persists.
Eyes: Check and remove contact lenses. Flush eyes with large quantities of water for at least 15 min while holding eyelids open. Seek an eye specialist immediately.
Inhalation: Remove to fresh air. If person is not breathing apply artificial respiration. Seek medical attention.
Ingestion: If swallowed drink large quantities of water. DO NOT induce vomiting. Get medical attention

PRODUCT AT USE DILUTION

No known effect after skin contact. Wash with soap and water for a few minutes
No known effects after eye contact. Wash with water for a few minutes
No special measures required.
Get medical attention if symptoms occur.

Section 5 – Fire-fighting measures**PRODUCT AS SOLD**

Suitable fire extinguishing media: Use water spray, fog or foam.
Special fire fighting hazards: Container may burst if heated. This product is toxic to aquatic life.
Special Firefighting equipment: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

Section 6 - Accidental Release Measures**PRODUCT AS SOLD**

Emergency actions: Isolate spill or leak area immediately. Keep unauthorized personnel away, ventilate closed spaces.
Personal Precautions: Wear protective clothing, rubber boots, gloves apron and face shield
Clean up Methods: Dike area to contain spill. Mop up or squeegee material to drain or use absorbent material and place in plastic container for disposal. Rinse area with large quantities of water.
Environmental Precautions: Dike large spills to avoid runoff from entering waterways.

Section 7 - Handling and Storage**PRODUCT AS SOLD**

Handling: Avoid contact with skin and eyes.
Wash thoroughly after handling this product.
Storage: Keep out of reach of children. Keep container closed

PRODUCT AT USE DILUTION

Wash thoroughly after handling
 Keep out of reach of children

Section 8 – Exposure controls/personal protection**PRODUCT AS SOLD**

Engineering Controls: Provide adequate local exhaust ventilation, eye wash fountains and emergency showers.
Eyes: Use chemical splash goggles or face shield.
Hands: Use chemical resistant gloves
Skin: Use rubber apron, other protective equipment to prevent skin contact.

PRODUCT AT USE DILUTION

No protective equipment needed.
 No protective equipment needed.
 No protective equipment needed.
 No protective equipment needed.

Section 9 - Physical Data

Physical state:	Liquid	Density:	1.011
Appearance:	Red	Flash Point:	> 100C
Odor:	Slight odor	Boiling Point:	200F
PH:	6.6	Melting point:	Not available
Solubility	100%	Vapor pressure:	Not available
Explosion limits:	Not applicable	Vapor density:	(air=1) >1
Partition coefficient:	Not available	Auto-ignition temp	Not available
Decomposition Temp	Not available	Flammability	Not available

Section 10 - Reactivity Data**PRODUCT AS SOLD**

Stability: This product is stable. Under normal storage and use, hazardous polymerization will not occur?
Reactivity: Under normal storage conditions and use, hazardous reactions will not occur.
Hazardous Polymerization: Will not occur
Hazardous decomposition products: May yield oxides of nitrogen and ammonia
Conditions to avoid: Strong oxidizing agents
Materials to avoid: anionic compounds and strong oxidizing agents.

Section 11 - Toxicological Data

Route of exposure: Skin contact, eye contact, inhalation, ingestion

Potential acute health effects

Eyes: Adverse conditions may include; irritation, watering, redness
Skin: No specific data.
Ingestion: No specific data.
Inhalation: No specific data.

Toxicity data

Ethanol	64-75-5	Inhalation LC50 Rat: 20000 mg/kg/10H
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	Oral LD50 Rat: 426mg/kg
Alkyl ethylbenzyl ammonium chlorides	68956-79-6	Oral LD50 Rat: 84mg/kg

Chronic toxicity**Carcinogenicity** No known significant effects or critical hazards**Mutagenicity** No known significant effects or critical hazards**Section 12 - Ecological Data****Ecotoxicity** – This material is toxic to aquatic life.**Other adverse effects:** No known significant effects or critical hazards**Environmental Fate:** This product is biodegradable.**Section 13 - Disposal Considerations****Product disposal:** Attempt to use product completely in accordance with intended use.**Container Disposal:** Do not re-use empty container. Dispose of in accordance with all Federal, State and local laws.**Section 14 - Transportation Information****DOT Classification:** Not regulated**DOT Proper Shipping Name:** Not regulated**Class:** Not regulated**Packing Group:** Not regulated**Section 15 - Regulatory Information**

The Following Information is based on national regulations.

TSCA: All ingredients used in the make up of this product are listed on TSCA**CERCLA/SUPER FUND:** This product does not contain any reportable quantity.**SARA Title III, Section 302, Extremely Hazardous Substances, 40CFR 355:** This product does not contain any Extremely Hazardous Substance.**SARA Title III, Sections 311 and 312, material Safety Data Sheets Requirements, 40CFR370:** Immediate (Acute) Health Hazard.**SARA Title III, Section 313, List of Toxic Chemicals, 40CFR 372:** Does not contain any substance listed under this regulation.**State Right to Know Laws (Reportable Chemicals):** Contains the following substance listed under this regulation

Ethanol Cas# 64-17-5

Section 16 - Other Information

HAZARD RATINGS	HMIS	NFPA
Health	3	3
Flammability	1	1
Reactivity	0	0
PPE	X	

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