

StarShine C Disinfectant Sanitizer

A multi-purpose disinfectant sanitizer for use with spray equipment and in multi-compartment sinks in food preparation areas.

FEATURES

- *Kills Staphylococcus aureus, Salmonella choleraesuis, Pseudomonas aeruginosa and Listeria monocytogenes when used in accordance with directions*
- *Effective against many types of bacteria*
- *Leaves a protective film on surface*
- *Safe for use in most common applications*



RECOMMENDED SURFACES

All washable surfaces

PRODUCT DATA

Description:	Disinfectant Sanitizer
Appearance:	Clear liquid
Fragrance:	Mild amine like
Viscosity (Brookfield):	< 25 centipoise @ 68°F (20°C)
pH (undiluted):	9.5 ± 0.5 ASTM E70-97
Density:	8.3 lb per gal @ 68°F 1.00 kg per liter @ 20°C
Flash Point:	None
Freeze/Thaw:	Passes 3 cycles ASTM D3209-93 (1998)
Shelf Life:	2 years ASTM D1791-93 (1998)

PRECAUTIONS

Keep out of reach of children. Keep container sealed when not in use. Avoid freezing. If frozen, allow to return to room temperature slowly and mix thoroughly before using. Avoid contamination of food during use. Do not store in food processing or food storage area.

Kills Staphylococcus aureus, Salmonella choleraesuis, Pseudomonas aeruginosa and Listeria monocytogenes when used in accordance with directions.

ORDERING INFORMATION

Product #610CMP: 4 x 4 litres

NOTE: AVAILABLE IN CANADA ONLY

DIRECTIONS FOR USE:

Sanitation:

Mix StarShine C Disinfectant Sanitizer per the following dilution ratio:
1:500 (2 ml per 1 litre water)

Thoroughly wet all surfaces. Treated surfaces must remain wet for 1 minute. Fresh solution should be prepared daily or when the used solution becomes visibly dirty. For mechanical applications, used solutions must not be re-used for sanitizing applications. If used for sanitation of previously cleaned or food contact items, limit the level of active quaternaries to 200 ppm (2 ml per litre). For heavily soiled or organic matter, a pre-cleaning step is required. Gross food particles and soil must be removed by a pre-flush, pre-scrub, or pre-soak treatment. All surfaces must be thoroughly washed with a good detergent and rinsed with potable water before sanitizing solution is used.

Disinfection: In Hospitals And Nursing Homes:

Mix StarShine C Disinfectant Sanitizer per the following dilution ratio:
1:200 (5 ml per 1 litre water)

Thoroughly wet all surfaces. Treated surfaces must remain wet for 10 minutes. Use for disinfecting floors, walls, and other hard inanimate environmental surfaces.

Food Establishments:

Mix StarShine C Disinfectant Sanitizer per the following dilution ratio:
1:500 (2 ml per 1 litre water)

Equipment and surfaces subjected to direct food contact must be thoroughly rinsed with potable water after cleaning with this product at a dilution level higher than 200 ppm (2 ml per litre) of active quaternary ammonium.

Pioneer Eclipse®

Material Safety Data Sheet

Section I. Product Identification and Uses

LAST REVISION DATE: 15-09-03

MANUFACTURED FOR: Pioneer Eclipse® Corp.

Sparta, NC 28675 Phone: 1-336-372-8080

FOR CHEMICAL EMERGENCY: Spill, Leak, Fire,

Exposure or Accident CALL CHEMTREC -

Day or Night 1-800-424-9300 Toll Free in the

Continental US 483-7616 in DISTRICT OF

COLUMBIA. For calls originating outside the US:

Call Collect 1-202-483-7616 Washington, DC.

Common/Trade name
WHMIS

StarShine C Disinfectant Sanitizer
Not a WHMIS controlled material.
Registered

Product #
Material uses

610CMP
Disinfectant, cleaner

Health Hazard
Fire Hazard
Reactivity
Personal Protection

HFRP - HMIS

2
0
0
1

TDG
PIN
PG

Not controlled under TDG (Canada).
None
None

Section II. Hazardous Ingredients

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Ethanol	64-17-5	1-5	TWA: 1000 (ppm) ACGIH (1000) (ppm) Not Available	ORAL (LD50) : Acute: 7060 mg/kg (Rat). 3450 (Mouse).6300 (Rabbit). VAPOR (LC50) Acute: 8000 ppm (Rat.) (4 hour(s)). ORAL (LD50): Acute: 570 mg/kg (Rat).
{n-} Alkyl dimethyl benzyl ammonium chloride	6842485-1	5-10		

Section III. First Aid Measures

Eye contact	IMMEDIATELY flush eyes with running water for at least 15 minutes. Seek medical attention.
Skin contact	Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Ingestion	DO NOT induce vomiting. Have a conscious person drink several glasses of water and milk. NEVER give an unconscious person anything to ingest. Seek medical attention.

Section IV. Physical Data

Physical state and appearance	Liquid	Color	Colorless
pH (concentrate)	9.5 ± 0.5	Odor	Mild amine like
Boiling point	100° C / 212° F	Volatility	90% (v/v).
Specific gravity	1 (Water = 1)	Vapor density	Weighted average: 1.02 (Air = 1)
Solubility	Miscible	Vapor pressure	43 mm of Hg (@ 20° C) (Ethanol).

Section V. Fire and Explosion Data

The product is:	Non-flammable
Auto-ignition temperature	Not applicable
Flash Points	Not applicable
Degradation products	Carbon oxides (CO, CO2,) (nitrogen oxides (NO, NO2...))
Extinguishing media	Use DRY chemicals, CO2, water spray or foam

Section VI. Reactivity Data

Stability	The product is stable
Decomp.products	See fire degradation products
Reactivity	Slightly reactive to reactive with acids, oxidizing agents and reducing agents. Non-reactive with organic materials, metals.

Section VII. Toxicological Properties

Routes of entry	Eye contact. Ingestion. Skin contact. Inhalation.
Toxicity for animals	Acute oral toxicity (LD50):5570 mg/kg (RAT) (calculated value for the mixture)..
Acute effects	Slightly dangerous in case of inhalation, skin contact (irritant, permator) and eye contact (irritant, corrosive). Dangerous in case of ingestion.
Chronic effects	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Prolonged exposure may cause skin defatting and chronic eye irritation.

Section VIII. Preventive Measures

Waste disposal	Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.
Storage	Keep container tightly closed. Keep in a cool, well-ventilated place.
Precautions	Keep locked up and out of reach of children. DO NOT ingest. Do not breathe gas, fumes, vapor or spray. Avoid contact with skin and eyes.
Spill and leak	Absorb with an inert DRY material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section IX. Personal protective equipment

Gloves	Gloves (impervious).
Respiratory	Wear appropriate respirator when ventilation is inadequate.
Eyes	Safety glasses.
Other	Full suit, apron, face shield, boots: are recommended under exceptional circumstances such as fire, spill, or for prolonged contact with bulk quantities.
Eng. controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Section X. Preparation and other Information

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IMPORTANT SAFETY INFORMATION DO NOT DISCARD***PLEASE ROUTE TO COMPANY SAFETY OFFICER**

LTPD610CMP 09/03