

StarShine® DISINFECTANT SANITIZER

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

FEATURES

- Controls growth of common food related bacteria such as *Salmonella*, *Pseudomonas*, and *Staphylococcus*
- EPA Registered
- No unpleasant chemical odors



RECOMMENDED SURFACES

All washable surfaces

PRODUCT DATA

Description:	Disinfectant and sanitizer
Appearance:	Clear colorless liquid
Fragrance:	Characteristic
Viscosity (Brookfield):	<10 centipoise @ 68°F (20°C)
pH (undiluted):	7.2 ± 0.5 ASTM E70-97
Density:	8.3 lb per gal @ 68°F 1.00 kg per liter @ 20°C
Foaming:	Low
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.

ORDERING INFORMATION

Product #606MP: 4 x 1.06 gallon per case (4 x 4 liter)

NOTE: AVAILABLE IN US ONLY

DIRECTIONS FOR USE:

1. Mix StarShine Disinfectant Sanitizer per the following dilution ratios:

General disinfection:

1:213 3 US oz per 5 gallons water (23 ml per 5 liters water)

Sanitation:

1:512 1 US oz per 4 gallons water (10 ml per 5 liters water)

2. Apply to surface to be disinfected or sanitized by spraying, dipping, or mopping.
3. Allow to air dry.

NOTE: SEE PRODUCT LABEL FOR ENVIRONMENT SPECIFIC SANITATION AND DISINFECTANT PROCEDURES.

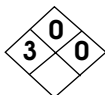
Pioneer Eclipse®

STARSHINE DISINFECTANT SANITIZER

LAST REVISION DATE: 02/27/06
MANUFACTURER: Pioneer Eclipse® Corporation
 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.

SECTION I: GENERAL INFORMATION

PRODUCT NAME: StarShine Disinfectant Sanitizer
PRODUCT #: 606
EPA REG NO.: 1839-86-41567
PRODUCT TYPE: Disinfectant and sanitizer
PRECAUTIONS: Corrosive to skin and eyes.
 Keep container sealed when not in use. Keep out of reach of children.
FLAMMABILITY: 0
REACTIVITY: 0
HEALTH: 3



NFPA HAZARD RATINGS

4-EXTREME 3-HIGH 2-MODERATE
 1-SLIGHT 0-INSIGNIFICANT

SECTION II: HAZARDOUS INGREDIENTS

INGREDIENT: n-Alkyl dimethyl benzyl ammonium chloride
CAS#: 68391-01-5
%: 5.0
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: 50-500 mg/kg rat, oral

INGREDIENT: n-Alkyl dimethyl ethylbenzyl ammonium chloride
CAS#: 68956-79-6
%: 5.0
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: 50-500 mg/kg rat, oral

N/E= Not Established, N/L - Not Listed

N/A= Not Applicable

SECTION III: PHYSICAL/CHEMICAL DATA

APPEARANCE: Clear colorless liquid
pH: 7.2 ± 0.5
BOILING POINT: 100°C / 212°F
EVAPORATION RATE: Less than water
FREEZING POINT: 0°C / 32°F
VAPOR DENSITY: Greater than air
VOLATILE BY WEIGHT: 90%
VAPOR PRESSURE: Less than water
DENSITY: 8.3 lb per gal @ 68°F
 1.00 kg per liter @ 20°C
SOLUBILITY IN WATER: Miscible

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT: Non-combustible
EXPLOSIVE LIMITS:
 LOWER: N/A UPPER: N/A
EXTINGUISHING MEDIA: N/A
SPECIAL FIRE FIGHTING PROCEDURES: None
HAZARDOUS COMBUSTIBLE PRODUCTS: None
UNUSUAL FIRE AND EXPLOSION HAZARDS:
 None

SECTION V: REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur.
INCOMPATIBILITY (MATERIALS TO AVOID):
 None
HAZARDOUS DECOMPOSITION PRODUCTS: None
REACTIVITY CONDITIONS: None

SECTION VI: HEALTH HAZARD DATA

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER! KEEP OUT OF REACH OF CHILDREN.
CORROSIVE:
 Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.
STATEMENT OF PRACTICAL TREATMENT:
 In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. If swallowed, promptly drink large quantities of water. Do not induce vomiting. Avoid alcohol. Call a physician immediately.
NOTE TO PHYSICIAN:
 Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION VII: SPILL, LEAK & DISPOSAL PROCEDURES

DO NOT CONTAMINATE, WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL:
STORAGE: Store in a dry place no lower in temperature than 50°F (10°C) or higher than 120°F (49°C).
CONTAINER DISPOSAL: Do not re-use an empty container. Triple rinse container with water. Plastic containers may be disposed of in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned stay out of the smoke.
PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environment Control Agency, or the Hazard Waste representative at the nearest EPA Regional Office for guidance.

SECTION VIII: SPECIAL PROTECTION

EYE PROTECTION: Chemical splash goggles (ANSI Z87.1-1989 or approved equivalent)
RESPIRATORY PROTECTION: None
VENTILATION: Mechanical local exhaust ventilation at point of contamination release
OTHER PROTECTIVE EQUIPMENT: As required by employer code. Rubber boots and chemically resistant gloves are recommended.

SECTION IX: SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Storage temperature (MAX. 49°C / 120°F) (MIN. 10°C / 50°F)
OTHER PRECAUTIONS: Keep from freezing; product may coagulate.

SECTION X: ADDITIONAL INFORMATION

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This MSDS has been provided to you in accordance with the OSHA HAZARD COMMUNICATION STANDARD (29CFR1910.1200).

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

Pioneer Eclipse