

STARSHINE® STAINLESS STEEL CLEANER & POLISH

An oil-based aerosol cleaner and polish for stainless steel, chrome, aluminum, brass, copper, and most other metal surfaces. When applied as directed, this product will clean and restore a high luster while leaving a tarnish-resistant protective coating on the surface.

FEATURES

- Removes deposits, polishes metal, and protects surfaces
- Contains no chlorinated solvents or ozone depleters
- Pleasant citrus fragrance



RECOMMENDED SURFACES

Stainless steel, chrome, copper, aluminum, brass and most other metal surfaces

PRODUCT DATA

Description:	Oil-based aerosol stainless steel cleaner
Appearance:	Clear colorless liquid
Fragrance:	Citrus
Net Weight:	15 US oz (425 grams)
Spray Pattern:	Medium, circular spray
Flammability:	Flammable
Shelf life:	2 years, ASTM D1791-93 (1998)

PRECAUTIONS

Keep out of the reach of children. Contents under pressure. Do not puncture or incinerate container. Do not expose to temperatures above 120°F (49°C). Solvent resistant gloves and safety goggles are recommended.

ORDERING INFORMATION

Product #319A12:	15 oz (425 grams) Twelve 15-oz aerosol cans per case
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DIRECTIONS FOR USE:

1. Remove protective cap.
2. Spray liberally on the surface to be cleaned.
3. Wipe with a clean, damp cloth leaving a small amount of residue on the surface.
4. Polish to a high luster with a clean dry cloth.

STARSHINE STAINLESS STEEL CLEANER & POLISH

LAST REVISION DATE: 12/5/07
MANUFACTURER: Amano 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.

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT: Flammable Aerosol
EXPLOSIVE LIMITS:
 LOWER: N/E UPPER: N/E
EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.
HAZARDOUS COMBUSTIBLE PRODUCTS: None
UNUSUAL FIRE AND EXPLOSION HAZARDS: Do not expose aerosols to temperatures above 120° F / 49° C or the container may rupture.
CONDITIONS TO AVOID: Extreme temperatures

SECTION VIII: SPECIAL PROTECTION

EYE PROTECTION: Safety goggles recommended.
RESPIRATORY PROTECTION: Organic vapor respirator if exposure exceeds recommended TLV
VENTILATION: General ventilation.
OTHER PROTECTIVE EQUIPMENT: As required by employer code. Wash hands before eating or smoking.

SECTION I: GENERAL INFORMATION

PRODUCT NAME: StarShine® Stainless Steel Cleaner & Polish
PRODUCT #: 319
PRODUCT TYPE: Aerosol Cleaner & Polish
PRECAUTIONS: Skin and eye irritant. Keep out of reach of children.
FLAMMABILITY: 4
REACTIVITY: 0
HEALTH: 2
NFPA HAZARD RATINGS
 4-EXTREME 3-HIGH 2-MODERATE
 1-SLIGHT 0-INSIGNIFICANT



SECTION V: REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids and oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, Carbon dioxide
REACTIVITY CONDITIONS: Open flame, welding arcs, heat, extreme temperatures

SECTION IX: SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Do not puncture or incinerate containers. Do not store at temperatures above 120°F / 49°C.
OTHER PRECAUTIONS: : KEEP OUT OF THE REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapor.

SECTION II: HAZARDOUS INGREDIENTS

INGREDIENT: Butane/propane propellant mixture
CAS#: (106-97-8)/(74-98-6)
OSHA PEL: N/L for 106-97-8
OSHA PEL: 1000 ppm (TWA) for 74-98-6
ACGIH TLV: 1000 ppm (TWA)
LD₅₀ SPECIES & ROUTE: N/E

INGREDIENT: Aliphatic hydrocarbon
CAS#: 64742-47-8
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: >5 g/kg rat, oral

INGREDIENT: d-Limonene
CAS#: 5989-27-5
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: >5 g/kg rat, oral

N/E = Not Established, N/L = Not Listed
 N/A = Not Applicable

SECTION VI: HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Overexposure and toxicity depend upon duration of exposure. Symptoms of overexposure include dizziness, nausea, headache, and even loss of consciousness. Aspiration may be a hazard. May be harmful or fatal if swallowed.
INHALATION: Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.
EYE CONTACT: Mild irritation
SKIN CONTACT: Mild irritation
INGESTION: May be harmful or fatal if swallowed.

EMERGENCY FIRST AID PROCEDURES
EYE CONTACT: Flush with water for 15 minutes. Seek medical attention.
SKIN CONTACT: Flush with plenty of water while removing contaminated clothing and shoes. Wash with plenty of soap and water for at least 15 minutes.
INHALATION: Remove to fresh air. Resuscitate if necessary. Seek medical attention.
INGESTION: DO NOT INDUCE VOMITING. Seek immediate medical attention.

SECTION X: ADDITIONAL INFORMATION

Neither this data sheet nor any statement contained herein grants or extends any license, expressed or implied, in connection with patents issued or pending which may be the property of the manufacturer or others. The information in this data sheet has been assembled by the manufacturer based on its own studies and the work of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) or the vendee, the vendee's employees or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.

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

SECTION III: PHYSICAL/CHEMICAL DATA

APPEARANCE AND ODOR: Clear colorless liquid with slight citrus fragrance
BOILING POINT: N/A
DENSITY: 0.8 kg per liter @ 20°C
VAPOR DENSITY (Air = 1): >1
VAPOR PRESSURE: <60 psig @ 70° F
 <4.1 bar @ 21° C
PHYSICAL STATE: Aerosol
pH: N/A
FREEZING POINT: <-40° F, -40° C
SOLUBILITY IN WATER: Nil

SECTION VII: SPILL, LEAK & DISPOSAL PROCEDURES

SPILLS: Absorb with suitable medium. Incinerate or landfill according to local, state or Federal regulations. DO NOT FLUSH TO SEWER.
WASTE DISPOSAL: Consult local, state, and federal authorities for proper disposal methods. Wrap empty containers and put in trash collection.

