



SAFETY DATA SHEET

319: READY TO USE

Conforms to 1910.1200
Issued: May 26, 2016
Supersedes: June 1, 2015

STARSHINE™ STAINLESS STEEL CLEANER & POLISH

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: StarShine Stainless Steel Cleaner & Polish **Product Number:** 319

Recommended Use: Aerosol cleaner and polish
Ready to use
Product intended for commercial and industrial use only.

Uses Advised Against: Other than per labelled instructions

Distributed By:

Amano Pioneer Eclipse Corporation
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FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure or Accident. Call CHEMTREC Day or Night.
Within USA and Canada 1-800-424-9300. Outside USA and Canada 1-703-527-3887 (collect calls accepted)

2: HAZARDS IDENTIFICATION

Classification: Aspiration Hazard - Category 1
Skin Irritation - Category 2
Skin Sensitization - Category 1
Eye Irritation - Category 2
Specific Target Organ Toxicity (Single Exposure) - Category 3
Flammable Aerosols - Category 1
Gasses under pressure - Liquefied gas

Signal Word: Warning

Pictogram:



Hazard Statements:

- Extremely flammable aerosol.
- Contains gas under pressure; may explode if heated.
- May be fatal if swallowed and enters airways.
- Causes skin irritation.
- May cause an allergic skin reaction.
- Causes serious eye irritation.
- May cause drowsiness or dizziness.

Precautionary Statements:

- Keep out of reach of children.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Do not spray on an open flame or other ignition source.
- Pressurized Container: Do not pierce or burn, even after use.
- Avoid breathing mist/spray.
- Wash hands and face thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective gloves/eye protection.
- IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.
- IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.



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IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

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.

Store in a well-ventilated place. Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Dispose of contents/container in accordance with local/regional/national/international regulation.

Other Hazards: None known

Supplemental Information: None

3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Weight % *
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	40 - 50
d-Limonene	5989-27-5	20 - 30
Distillates (petroleum), hydrotreated light	64742-47-8	5 - 15
Propane (propellant blend)	74-98-6	10- 30
Butane (propellant blend)	106-97-8	5 - 10

* Exact concentration of the ingredients has been withheld as a trade secret.

4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Skin Contact: Wash with plenty of soap and water. If skin irritation or rash occurs get medical attention.

Inhalation: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

Ingestion: Seek medical attention immediately.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye Contact: Can be irritating to eyes.

Skin Contact: Can be irritating to skin.

Inhalation: Vapor can be harmful.

Ingestion: Harmful or fatal if swallowed. Aspiration hazard if swallowed.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Aspiration hazard - this material can enter lungs during swallowing or vomiting and can cause lung inflammation and damage.

5: FIRE-FIGHTING MEASURES

Suitable Extinguishing media: water spray, fog or foam

Specific Hazards: Flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing a fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Run-off to sewer may create a fire or explosion hazard.

Specific firefighting methods: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Protective Equipment and Precautions: Fire fighters should wear NIOSH approved breathing apparatus.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Put on personal protective equipment (see Section 8). Keep spectators away. Floors may be slippery: use care to avoid falling.



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Environment Precautions: Keep spills and cleaning run-off out of sewers and open bodies of water.

CONTAINMENT AND CLEAN-UP

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all ignition sources. Disperse vapors with water spray. Absorb spill with inert material. DO NOT use clay-type absorbent materials. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use in well-ventilated areas. Avoid breathing vapors or mists. Do not puncture or incinerate container. Do not use near ignition sources.

Conditions for Safe Storage: Store in a cool, dry place. Do not store near heat, sparks or open flame. Exposure to

Other Information: Keep out of reach of children. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

Ingredient	CAS Number	ACGIH		OSHA	
		TWA	STEL	TWA	STEL
propane	74-98-6	1000 ppm	N/L	1000 ppm	N/L
butane	106-97-8	1000 ppm	N/L	1000 ppm	N/L

Engineering Controls: Use only with adequate ventilation. Use local ventilation and other engineering controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.

Personal Protective Equipment (PPE)

Eye/Face Protection: Safety eyewear is recommended, to avoid chemical splashes and mists.

Skin Protection: Chemical resistant gloves are recommended.

Respiratory Protection: Respiratory protection should be worn when there is a potential of inadequate ventilation. If exposure limits are exceeded or symptoms are experienced, use an approved respirator.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: clear, colorless spray/mist
Odor: citrus odor
Odor Threshold: data not available
pH: 9.0
Freezing Point: data not available
Boiling Point: data not available
Flash Point: 120 °F / 49 °C
Evaporation Rate: data not available
Flammability: Flammable
Flammability limits: data not available
Vapor Pressure: data not available
Vapor Density: data not available
Relative Density: 6.7 lb/gal @ 68°F / 0.8 kg/l @ 20°C
Solubility: insoluble
Partition Coefficient: data not available
Auto Ignition temperature: data not available
Decomposition Temperature: data not available
Viscosity: data not available
VOC: 62.50%



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10: STABILITY AND REACTIVITY

Reactivity: Under normal conditions of storage and use, hazardous reactions will not occur.
Stability: Stable under normal conditions.
Hazardous reactions: Vapors may ignite at temperatures exceeding flash point.
Conditions to avoid: High temperatures, open flames, sparks, welding and other ignition sources.
Incompatible materials: Acids, strong oxidizers, inorganic clays (clay-type absorbents)
Hazardous decomposition products: Carbon dioxide, Carbon monoxide

11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Not determined on product.

LOCAL EFFECTS

Skin contact: May cause irritation.
Eye contact: May cause irritation.
Sensitization: May cause an allergic skin reaction.
Chronic effects: Aspiration hazard. May cause drowsiness or dizziness.

SPECIFIC EFFECTS

Carcinogenicity: None known
Reproductive effects: None known
Teratogenicity: None known
Mutagenicity: None known

COMPONENT INFORMATION

Component	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC50 Inhalation-Rat
Distillates (petroleum), hydrotreated heavy naphthenic	> 5000	> 2000	2.18 mg/L (4 hr)
d-Limonene	4400	> 5000	N/A
Distillates (petroleum), hydrotreated light	N/A	N/A	N/A
Butane (propellant blend)	N/A	N/A	658 g/L (4 hr)
Propane (propellant blend)	N/A	N/A	N/A

Carcinogenicity: Components are not listed as carcinogen (IARC, NTP, OSHA).

12: ECOLOGICAL INFORMATION

Ecotoxicity: Ecological testing has not been completed on the mixture.
Persistence and Degradability: Data not available.
Bioaccumulative Potential: Data not available.
Mobility in Soil: Data not available.
Other Adverse Effects: Data not available.

13: DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, regional and national regulations.

14: TRANSPORT INFORMATION

UN Number: UN1950
UN Proper Shipping Name: Aerosols, flammable (each not exceeding 1L capacity)
Hazard Class: 2.1
Packing Group: N/A
Marine Pollutant: None
Transport in Bulk: N/A
Other Information: Product is shipped as Limited Quantity; as permitted by hazard class and quantity limits.



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15: REGULATORY INFORMATION

U.S. REGULATIONS/REPORTING:

Ingredient	CAS Number	SARA 302/304	SARA 313	CERCLA
Butane (propellant blend)	106-97-8	hazardous	N/L	N/L
Propane (propellant blend)	74-98-6	hazardous	N/L	N/L

STATE RIGHT-TO-KNOW STATUS:

Ingredient	CAS Number	MA - RTK	NJ - RTK	PA - RTK	RI - RTK
Butane (propellant blend)	106-97-8	Listed	Listed	Listed	Listed
Propane (propellant blend)	74-98-6	Listed	Listed	Listed	Listed

CALIFORNIA PROPOSITION 65: Components are not present on CA Prop 65 listing.

CANADA REGULATIONS/REPORTING: This product has been classified in accordance with the hazard criteria of the Hazardous Product Regulation (*HPR*) and the SDS contains the information required by the *HPR*.


16: OTHER INFORMATION

Abbreviations Used:

N/A - Not applicable
N/E - Not Established
N/L - Not Listed
IARC 3- Unclassifiable as to carcinogenicity in humans.

Revision Information:

May 26, 2016 - Logo change, email address, minor edits

	
Health:	2
Flammability:	4
Reactivity:	0

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This SDS 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****