

MATERIAL SAFETY DATA SHEET

1. Product And Company Identification

PRODUCT NAME: 12 Oz. Stainless Steel
ITEM NUMBER: S7422001F

MANUFACTURER NAME: Jelmar, LLC
MANUFACTURER ADDRESS: 550 W. Touhy Ave.
Suite 200
Skokie, IL 60077
MANUFACTURER PHONE NUMBER: 1-800-323-5497

MSDS DATE OF PREPARATION: 11/4/09

PRODUCT USE: Stainless Steel Cleaner/Polish - consumer product

2. Composition/Information on Ingredients

Clear, colorless liquid with a fragrant odor packaged as an aerosol product.

EMERGENCY OVERVIEW

Flammable Aerosol. Contents Under Pressure. Heated can may rupture. Eye, skin, and respiratory tract irritant. Inhalation may cause headache, dizziness, drowsiness, nausea, narcosis and unconsciousness. Deliberate concentration and inhalation of vapors may be harmful or fatal. Ingestion of the liquid may present an aspiration hazard.

3. Hazards Identification

Component	CAS No.	Amount
Petroleum Distillates, hydrotreated light	64742-47-8	5-15%
White Mineral Oil	8042-47-5	5-15%
Surfactant	Mixture	1-5%
Propane-Butane Propellant	74-98-6 / 106-97-8	10-20%

(See Section 8 for Exposure Limits)

4. First Aid Measures

INHALATION: If symptoms of exposure develop, remove to fresh air. Seek medical attention if symptoms persist.

SKIN CONTACT: Remove contaminated clothing. Wash all affected and exposed areas with soap and water. If irritation or redness persists, seek medical attention.

EYE CONTACT: Exposed eyes should be immediately flushed with copious amounts of water using a steady stream for a minimum of 15 minutes. If irritation, pain, swelling or tearing persists, seek medical attention.

INGESTION: Unlikely route of exposure with an aerosol container. If swallowed, get medical attention by calling Poison Control Center or hospital emergency room. If medical advice cannot be obtained, then take the person and product to the nearest medical emergency treatment center or hospital. Rinse mouth out with water. Aspiration hazard – Do not induce vomiting. Never give anything by mouth to a person who is unconscious or drowsy.

5. Firefighting Measures

EXTINGUISHING MEDIA: Use carbon dioxide, dry chemical or alcohol foam, foam or water fog. Cool fire exposed containers with water.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored. Protect against rupturing cans.

UNUSUAL FIRE HAZARDS: Flammable aerosol. Aerosol cans may explode when exposed to extreme heat. Liquid inside container will not support combustion.

HAZARDOUS COMBUSTION PRODUCTS: Burning may produce oxides of carbon.

6: Accidental Release Measures

Eliminate all ignition sources. Ventilate area. Wear appropriate protective clothing and equipment (See Section 8). Collect with absorbent material and place in appropriate container for disposal.

7. Handling and Storage

Avoid eye and prolonged skin contact.

Avoid breathing vapors or mists.

Use only with adequate ventilation.

Wash exposed skin thoroughly with soap and water after use.

Contents under pressure.

Flammable Aerosol.

Keep container away from heat, sparks, open flames and all other sources of ignition.

Do not smoke during use or until product is dry and vapors have dissipated.

Store product below 120°F.

Store in a well ventilated area.

Do not puncture or incinerate containers.

AEROSOL FIRE PROTECTION LEVEL: Level 1 (NFPA 30B)

8. Exposure Controls / Personal Protection

EXPOSURE LIMITS

CHEMICAL	EXPOSURE LIMIT
Petroleum Distillates, hydrotreated light	152 ppm TWA Manufacturer Limit
White Mineral Oil	None Established
Surfactant	None Established
Propane-Butane Propellant (as aliphatic hydrocarbon gas)	1000 ppm TWA ACGIH TLV 1000 ppm TWA OSHA PEL

VENTILATION: Use local exhaust as required to maintain exposures below the occupational exposure limits.

RESPIRATORY PROTECTION: None usually required for normal, consumer use. Where concentrations are excessive and irritation develops, a NIOSH approved respirator with organic vapor cartridges with a dust/mist prefilter or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select and use in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

GLOVES: Chemical resistant gloves if needed to avoid prolonged contact.

EYE PROTECTION: Do not spray in eyes. Safety glasses if needed to avoid eye contact.

OTHER PROTECTIVE EQUIPMENT/CLOTHING: Appropriate protective clothing as needed to minimize skin contact.

9. Physical and Chemical Properties

APPEARANCE AND ODOR: Clear, colorless liquid with a fragrant odor packaged as an aerosol product.

pH: Not Applicable	SPECIFIC GRAVITY: Not determined
BOILING POINT: Not determined	VAPOR PRESSURE: Not determined
FREEZING POINT: Not determined	VAPOR DENSITY: Not determined
SOLUBILITY IN WATER: Complete	EVAPORATION RATE: Not determined
PERCENT VOLATILE: Not determined	VISCOSITY: Not Applicable
FLASH POINT: -156°F (-10.4.4°C) (Propellant)	AUTOIGNITION TEMP: Not determined
FLAMMABILITY LIMITS LEL: 0.6%	UEL: 4.9%
AEROSOL FLAME EXTENSION: 18"	
FLASHBACK: None	
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not determined	

10. Stability and Reactivity

STABILITY: Stable

CONDITIONS TO AVOID: Excessive heat and open flames. Avoid applying to hot surfaces.

INCOMPATIBILITY: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Burning may produce oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

11. Toxicological Information

POTENTIAL HEALTH EFFECTS:

INHALATION: Inhalation of high concentrations may produce central nervous system effects including headache, dizziness, drowsiness, nausea, depressed respiration and heart rate, heart rhythm irregularities, shortness of breath, unconsciousness or death.

SKIN CONTACT: May cause irritation, seen as localized reddening and swelling. Contact with propellant under pressure may cause skin burns and frostbite.

SKIN ABSORPTION: Not expected to be absorbed through the skin.

EYE CONTACT: Liquid or vapors may be irritating, causing tearing, reddening and swelling accompanied by a stinging sensation.

INGESTION: This is an unlikely route of exposure with an aerosol product. Swallowing may cause gastrointestinal disturbances. Large amounts may cause central nervous system effects including headache, dizziness, drowsiness, loss of coordination and fatigue. Aspiration into the lungs may occur during ingestion or vomiting, resulting in severe lung injury.

CHRONIC EFFECTS: Reports have associated repeated and prolonged overexposure to petroleum distillates with adverse liver, kidney and bone marrow effects and with permanent brain and nervous system damage.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with preexisting diseases of the heart or central nervous system may have increased susceptibility to the toxicity of excessive exposure to the product's propellant.

CARCINOGEN: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH, or OSHA.

Acute Toxicity Values:

Petroleum Distillates:	LD50 Oral Rat: >15,000 mg/kg LD50 Dermal Rabbit: >3160 mg/kg
White Petroleum Oil:	LD50 Oral Rat: >5 g/kg LD50 Dermal Rabbit: >2 g/kg LC50 Inhalation Rat: <5 mg/l
Surfactant:	No data available
Propane:	No data available
n-Butane:	LC50 Inhalation Rat: 648 gm/m ³ /4 hr

12. Ecological Information

No data available.

13. Disposal Considerations

Dispose of product as hazardous waste (ignitable) in accordance with all local, state/provincial and federal regulations.

Do not incinerate container.

14. Transport Information

U.S. DOT HAZARD CLASSIFICATION (For Ground Shipments Only)

PROPER SHIPPING NAME: Consumer Commodity
TECHNICAL NAME: N/A
UN NUMBER: N/A
HAZARD CLASS/PACKING GROUP: ORM-D
LABELS REQUIRED: None

DOT MARINE POLLUTANTS: This product does not contain Marine Pollutants as defined in 49 CFR 171.8.

IMDG CODE SHIPPING CLASSIFICATION

DESCRIPTION: UN1950, AEROSOLS, CLASS 2.1, FP -104 C, LTD QTY
ID NUMBER: UN1950
HAZARD CLASS: 2.1
PACKING GROUP: NONE
LABELS REQUIRED: NONE
MARKINGS REQUIRED: None
PLACARDS REQUIRED: LIMITED QUANTITIES ON TRANSPORT CONTAINER
Note: This product is exempted from marking the UN number (see IMDG Code 3.4.7)

CANADIAN TDG CLASSIFICATION (For Ground Shipments Only)

PROPER SHIPPING NAME: Consumer Commodity (Limited Quantity)
TECHNICAL NAME: NONE
UN NUMBER: NONE

HAZARD CLASS: NONE
PACKING GROUP: NONE

IATA/ICAO SHIPPING CLASSIFICATION:
These products are not suitable for shipment by air.

15. Regulatory Information

EPA SARA 311/312 HAZARD CLASSIFICATION: Acute health, fire hazard, sudden release of pressure

EPA SARA 313: This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):
None

PROTECTION OF STRATOSPHERIC OZONE: This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

CERCLA SECTION 103: This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

CALIFORNIA PROPOSITION 65: This product does not contain chemicals regulated under California Proposition 65.

EPA TSCA INVENTORY: All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CANADIAN ENVIRONMENTAL PROTECTION ACT: All of the ingredients are listed on the Canadian Domestic Substances List.

CANADIAN WHMIS CLASSIFICATION: Class D - Division 2 - Subdivision B (Toxic very material causing other toxic effects), Class B - Division 5 (Flammable Aerosol)



CANADIAN WHMIS HAZARD SYMBOLS:

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA RATING – FIRE: 4	HEALTH: 1	INSTABILITY: 0
HMIS RATING – FIRE: 4	HEALTH: 1	PHYSICAL HAZARD: 0

REVISION SUMMARY: New MSDS.