

MATERIAL SAFETY DATA SHEET

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I - Product Identification

Stainless Steel Cleaner

PRODUCT CODE: 8306

CHEMICAL FORMULATION: Pressurized oil based cleaner.

NFPA HAZARD IDENTIFICATION SYSTEM: **HEALTH:** 2 **FLAMMABILITY:** 4 **REACTIVITY:** 0
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

<u>SUBSTANCE</u>	<u>APPROX</u> <u>%</u>	<u>OSHA</u> <u>PEL</u>	<u>ACGIH</u> <u>TLV</u>	<u>EPA 40 CFR:</u>			<u>CAS #</u>
				<u>302</u>	<u>355</u>	<u>372</u>	
Aliphatic Hydrocarbon	< 50.0	N/E	300 ppm	N	N	N	64742-47-8
D'Limonene	< 50.0	N/E	N/E	N	N	N	5989-27-5
Butane (Propellant)	1.00-10.0	800 ppm	800 ppm	N	N	N	106-97-8
Propane (Propellant)	1.00-10.0	1000 ppm	1000 ppm	N	N	N	74-98-6
Isobutane (Propellant)	1.00-10.0	N/E	800 ppm	N	N	N	75-28-5

Key: **PEL:** Permissible Exposure Limit **TLV:** Threshold Limit Value **C:** Ceiling level **STEL:** Short Term Exposure Limit
N/A: Not Applicable **N/D:** Not Determined **N/E:** Not Established **Y:** Yes **N:** No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/E **SPECIFIC GRAVITY (WATER = 1):** 0.80
VAPOR PRESSURE (mm Hg): N/D **VOC CONTENT (% by weight):** 55.0-65.0
VAPOR DENSITY (AIR = 1): N/D **EVAPORATION RATE (WATER = 1):** N/D
SOLUBILITY IN WATER: Negligible **pH:** N/A
APPEARANCE AND ODOR: Clear, colorless liquid; citrus fragrance.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): 125 **(TEST METHOD):** T.O.C. **FLAME EXTENSION:** N/D **NFPA 30B Rating:** 3

FLAMMABLE LIMITS IN AIR (VOLUME %) **UPPER:** N/E **LOWER:** N/E

EXTINGUISHING MEDIA: Dry chemical, foam, carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Contents under pressure. Exposure to temperatures above 120° F may cause bursting.

V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizers.

CONDITIONS TO AVOID: Extreme temperatures.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY INHALATION: X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:**
INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS : None

EFFECTS OF OVEREXPOSURE

IF IN EYES: Irritation and redness.

IF ON SKIN: Moderate irritation, defatting and dermatitis with prolonged or repeated exposure.

IF SWALLOWED: Gastrointestinal irritation, nausea, cramps, vomiting. May be harmful or fatal if swallowed.

IF INHALED: Dizziness, aspiration, loss of consciousness.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

IF ON SKIN: Remove contaminated clothing and wash with soap and water.

IF SWALLOWED: Contact physician or poison control center immediately. Do not induce vomiting.

IF INHALED: Remove person to fresh air. If breathing has stopped, administer artificial respiration. Obtain medical attention.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area and remove all sources of ignition. Soak up material with inert absorbent material and place in a labeled closed container for disposal.

WASTE DISPOSAL METHOD: Consult local environmental authorities. Dispose of cans in non-incinerated trash only.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists. If recommended Exposure Limits are exceeded, wear a NIOSH approved respirator, following manufacturer's recommendations.

VENTILATION

LOCAL: Recommended

MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Goggles and/or safety glasses.

OTHER PROTECTIVE EQUIPMENT: None.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from heat or open flame.

OTHER PRECAUTIONS: Keep out of reach of children. Do not puncture or incinerate container.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: Consumer Commodity

DOT CLASS: ORM-D

DOT ID NUMBER: None

DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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