

MATERIAL DATA SAFETY SHEET

27883/8

PRODUCT IDENTIFICATION

TRADE NAME: STAINLESS STEEL CLEANER AND POLISH

PRODUCT CODE: SS0011 886

TYPE OF PRODUCT: AEROSOL CLEANER

MANUFACTURER'S NAME: MBL INDUSTRIES, INC.

ADDRESS: 3600 WEST CARRIAGE DRIVE, SANTA ANA, CA 92704

PHONE NUMBER: (714) 557-6505

DATE PREPARED OR REVISED: 8/07/86

NAME OF PREPARER: Ian R. Gecker

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SECTION I - PRODUCT IDENTIFICATION

TRADE NAME: \_\_\_\_\_ PRODUCT CODE: \_\_\_\_\_

TYPE OF PRODUCT: \_\_\_\_\_

DISTRIBUTOR'S NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PHONE NUMBER: \_\_\_\_\_

DATE PREPARED OR REVISED: \_\_\_\_\_ NAME OF PREPARER: \_\_\_\_\_

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAMES	CAS NUMBERS	EXPOSURE LIMITS IN AIR		
		ACGIH-TLV	OSHA-PEL	OTHER
Petroleum Distillates	91203	300PPM	300PPM	
Toluene	108883	100PPM	100PPM	
1,1,1 Trichloroethane	71556	350PPM	350PPM	
Perchloroethylene	127184	50PPM	50PPM	
Isobutane/Propane	75-28-5/74-98-6	800PPM	800PPM	

SECTION III - PHYSICAL PROPERTIES

VAPOR DENSITY (air=1): <1.0

MELTING POINT OR RANGE, °F: N/A

SPECIFIC GRAVITY g/cc @ 60°F: N/A

BOILING POINT OR RANGE, °F: N/A

SOLUBILITY IN WATER: Insoluble

EVAPORATION RATE (butyl acetate = 1): <1.0

VAPOR PRESSURE, psig @ 70°F: 30 - 40

pH @ 25°C: N/A

APPEARANCE AND ODOR: Spray mist/Lemon

FLASH POINT °F (TCC): >20°F

FLAME EXTENSION @ 70°F: <18"

SECTION IV - FIRE AND EXPLOSION

FLASH POINT, °F (TCC): >20°F

AUTO IGNITION TEMPERATURE, °F: N/A

FLAMMABLE LIMITS IN AIR, VOLUME %: LOWER (LEL) 1.8 UPPER (UEL) 9.5

FIRE EXTINGUISHING MATERIALS:

WATER SPRAY  FOAM  CARBON DIOXIDE  DRY CHEMICAL  OTHER

SPECIAL FIREFIGHTING PROCEDURES: Firefighters must wear full bunker gear (helmet, face shield, coats, boots, gloves). Wear a NIOSH approved self-contained breathing apparatus. Containers exposed to heat must be water cooled to prevent bursting and cocking and further spewing of ignited flammable constituents.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Aerosol pressurized containers will burst and/or rocket when exposed to temperatures above 120°F.

SECTION V - HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE

INHALED: Dizziness, nausea, headache, anesthetic effects. Throat irritation above 1000PPM.

CONTACT WITH SKIN OR EYES: Irritation, contact dermatitis.

ABSORBED THROUGH SKIN: Not readily absorbed. May cause systemic effects.

SWALLOWED: Nausea, vomiting. Single dose toxicity is low to moderate.

(Continued)

HEALTH EFFECTS OR RISKS FROM EXPOSURE

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ACUTE: Liver disease and rhythm disorders of the heart from over exposure.

CHRONIC: Liver and toxic effects in test animals.

FIRST AID: EMERGENCY PROCEDURES

EYE CONTACT: Flush with water for minimum of 15 minutes. Get immediate medical attention.

SKIN CONTACT: Flush with water. Wash with soap and warm water. Get medical attention.

INHALED: Remove to fresh air. If not breathing give CPR or oxygen. Get immediate medical attention.

SWALLOWED: Do not induce vomiting. Get immediate medical attention. Do not allow vomitons to be breathed into lungs as pneumonitis may result.

SUSPECTED CANCER AGENT

[X] NO: This product's ingredients are not found in the lists below.

[ ] YES: [ ] FEDERAL OSHA [ ] NTP [ ] IARC

California employers using Cal/OSHA - regulated carcinogens must register with Cal/OSHA. The Cal/OSHA and Federal OSHA carcinogen lists are similar.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Pre-existing skin, eye and lung disorders may be aggravated by exposure to this product. Liver disease and rhythm disorders of the heart due to over exposure.

RECOMMENDATION TO PHYSICIAN: Aspiration of material into lungs can cause chemical pneumonitis which can be fatal. Also possible pulmonary edema/hemorrhage.

SECTION VI - REACTIVITY DATA

STABILITY: [X] STABLE [ ] UNSTABLE

CONDITIONS TO AVOID: Exposure to temperatures in excess of 120°F, heat, spark, open flame, or other sources of ignition.

INCOMPATIBILITY (materials to avoid): Alkalies, strong oxidizers, acids.

HAZARDOUS DECOMPOSITION PRODUCTS (including combustion products): Carbon dioxide, carbon monoxide and organic vapors of unknown composition, hydrogen chloride, chlorine or phosgene.

HAZARDOUS POLYMERIZATION: [ ] MAY OCCUR [X] WILL NOT OCCUR

SECTION VII - SPILL, LEAK AND DISPOSAL PROCEDURES

SPILL RESPONSE PROCEDURES: Turn off all sources of ignition. Ventilate area completely. Dike area. Apply an absorbent and sweep up.

PREPARING WASTE FOR DISPOSAL: Place into containers for disposal. Waste residue may be flammable. Handle accordingly.

NOTE: Dispose of all waste in accordance with federal, state and local regulations.

SECTION VIII - SPECIAL HANDLING INFORMATION

VENTILATION AND ENGINEERING CONTROLS: Maintain adequate ventilation to keep vapor concentrations below PEL limits.

RESPIRATORY PROTECTION: None when used in accordance with label directions.

EYE PROTECTION: None when used in accordance with label directions.

GLOVES: None when used in accordance with label directions.

OTHER CLOTHING AND EQUIPMENT: None when used in accordance with label directions.

WORK PRACTICES, HYGENIC PRACTICES: Wash with soap and water before eating, smoking, drinking or using toilet facilities.

OTHER HANDLING AND STORAGE REQUIREMENTS: Handle and store in accordance with label directions. Do not puncture or incinerate container.

PROTECTIVE MEASURES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Flush off with water and/or wipe off with rags all contamination prior to working on equipment. Allow to air dry. Work in well ventilated area.

Information on this material safety data sheet represents the latest data and best opinion as to the proper use and handling of this product under normal conditions of use, storage and disposal. Any use, storage and disposal of this product which is not in conformance with the data sheet and the product labeling is the responsibility of the user. This material safety data sheet was prepared by the product manufacturer to comply with the CAL/OSHA hazard communication regulations contained in section 5194 of Title 8 of the California Administrative Code. No modification to the information or contents of this form are permitted without the direct written permission of the manufacturer.