

SECTION I

PRODUCT CODE NUMBER 61-500-0313-4 TLV _____
 MANUFACTURER'S NAME 3M EMERGENCY INFORMATION _____
 MANUFACTURER'S ADDRESS 3M Center
St. Paul, Minnesota 55144-1000
 PRODUCT 3M Brand Trouble Shooter Cleaner COMMON NAME _____
 GENERIC NAME _____ CHEMICAL NAME _____
 CHEMICAL FAMILY _____ DOT PROPER SHIPPING NAME _____
 WARNING STATEMENTS Keep away from heat, sparks and flame. Avoid direct eye contact. Avoid prolonged and repeated breathing of vapors. Avoid prolonged and repeat skin contact. Contents under pressure. Do not puncture, incinerate or store above 120 F (49C.). Keep out of reach of children.

SECTION II - INGREDIENTS

	C.A.S. #	%	Exposure LT.-Source ^V	
Water	-	70-75	N/A	
2-Butoxyethanol	111-76-2	14	25 ppm (skin)	1
Isobutane/ Propane propellant	74-38-4 74-98-6	9	1000 ppm	4
Ethanolamine	141-43-5	4	3 ppm	1
Detergent, thickener, fragrance	-	< 2	N/A	5

Source of Exposure Limit: 1 - ACGIH threshold Limit Value; 2 - Federal OSHA Permissible Exposure Limit; 3 - 3M Exposure Guidelines; 4 - Recommended Guide by Chemical Manufacturer; 5 - None Established.
 Abbreviations: N/A - Not Applicable; N/D - Not Determined.

* Threshold limit value set by (A) OSHA, (B) ACGIH, (C) See Section III, (D) Other, (NE) Not Established (Units are in PPM unless otherwise specified).

SECTION III - PHYSICAL DATA

APPROXIMATE BOILING RANGE 212 F. VAPOR PRESSURE N/D
 VAPOR DENSITY (Air = 1): N/D SOLUBILITY IN WATER Complete
 SPECIFIC GRAVITY (Water = 1): 0.999 PERCENT VOLATILE 98
 EVAPORATION RATE N/D APPROXIMATE BULK DENSITY/Viscosity: N/D pH: 11.8

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT RANGE Propellant < 0 F
(Test Method): Liquid 196 F. (C.C.) EXTINGUISHING MEDIA Carbon dioxide, foam, dry chemical.
 FIRE FIGHTING PROCEDURES Treat as pressurized container. DOT FLAMMABILITY CLASSIFICATION 1FL: N/D UEL: N/D
 UNUSUAL FIRE AND EXPLOSION HAZARDS Combustible. Treat as pressurized container.

SECTION V - EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT Flush eyes with plenty of water for at least 10 minutes. If irritation persists, call a physician
 SKIN CONTACT Wash affected area with soap and water.
 INHALATION Provide fresh air.
 INGESTION Do not induce vomiting. Call a physician.

SECTION VI - PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

ACUTE EFFECTS EYE CONTACT: May cause eye irritation. Symptoms may include transient conjunctival irritation and minimal corneal opacity. SKIN CONTACT: May cause irritation. May be absorbed through the skin. INHALATION: High concentrations of vapors may be irritating. Symptoms may include coughing, headache, nausea, vomiting, dizziness, and discomfort to the nose, throat, and chest.

CHRONIC EFFECTS

INGESTION: May cause gastrointestinal irritation. Symptoms may include headache, abdominal pain, nausea, vomiting, and weakness.

SECTION VII - REACTIVITY DATA

STABILITY (Conditions to Avoid): Stable Condition to avoid: Do not store above 120 F. (49C).

INCOMPATIBILITY (Materials to Avoid): N/A

HAZARDOUS DECOMPOSITION PRODUCTS CO₂, carbon dioxide and smoke particles.

HAZARDOUS POLYMERIZATION (Conditions to Avoid): May not occur. N/A

SECTION VIII - SPILL OR LEAK PROCEDURES

PROCEDURES IN CASE OF RELEASE OR SPILL: If cans rupture, extinguish all ignition sources. Observe precautions from other sections. Collect spilled material. Wash down area with water.

WASTE DISPOSAL METHOD Do not puncture or incinerate in a household incinerator. Incinerate properly in an incinerator that can handle aerosol cans safely. Empty container may be sanitary landfilled. Can contents may be bled into wastewater treatment system. Since regulation vary, consult applicable regulations or authorities before disposal. Environmental Data: N/D

SECTION IX - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION _____

VENTILATION: _____

PROTECTIVE GLOVES _____

EYE PROTECTION: _____

OTHER PROTECTIVE EQUIPMENT: _____

SECTION X - STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORING PRECAUTIONS: _____

OTHER PRECAUTIONS: _____

SECTION XI - DOCUMENTARY INFORMATION

PRODUCT CODE NUMBER: _____

ISSUE DATE: November 1, 1985

REPLACES MSDS NUMBER: _____

PREVIOUS PRODUCT CODE NUMBER: _____

PREVIOUSLY ISSUED: January, 1981