3M Center St. Paul, MN 55144-1000 612 733 1110

MATERIAL SAFETY DATA SHEET

3M5400.1296



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DIVISION: HOME AND COMMERCIAL CARE DIVISION

TRADE NAME:

3M Brand TROUBLE SHOOTER CLEANER

ID NUMBER/U.P.C.:

FZ-0100-0465-8 61-5000-0313-4 00-48011-08109-0 61-5000-6131-4 00-48011-14001-8

FZ-0100-0466-6

ISSUED: DECEMBER 18, 1996 SUPERSEDES: AUGUST 22, 1996

DOCUMENT: 10-2818-2

1. INGREDIENT	C.A.S. NO.		PERCENT		
WATER2-BUTOXYETHANOL	111-76-2 75-28-5	60 10 5	- - -	98 30 10	
PROPANE		1	-	5 5	

NOTE: IN CASE OF EMERGENCY: THE NUMBER AT THE TOP OF THIS PAGE PROVIDES 24 HOUR RESPONSE FROM ANY PHONE FOR ALL EMERGENCIES WITH THIS PRODUCT.

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND 40 CFR PART 372: 2-BUTOXYETHANOL

BOILING POINT:	ca. 212 F
VAPOR PRESSURE:	N/D
VAPOR DENSITY:	N/D
EVAPORATION RATE:	N/D
SOLUBILITY IN WATER:	complete
SP. GRAVITY:	0.999 Water = 1
PERCENT VOLATILE:	ca. 98 %
pH:	ca. 11.8
VISCOSITY:	N/D
MELTING POINT	
APPEARANCE AND ODOR: Aerosol	. liquid, foamy, viscous, white, bland odor

## 3. FIRE AND EXPLOSION HAZARD DATA

196 F T.C.C.

Abbreviations: N/D - Not Determined N/A - Not Applicable

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# 3. FIRE AND EXPLOSION HAZARD DATA (continued)

FLAMMABLE LIMITS - UEL: .... N/D AUTOIGNITION TEMPERATURE: ... N/D

EXTINGUISHING MEDIA:

Water spray, Carbon dioxide, Dry chemical, Foam SPECIAL FIRE FIGHTING PROCEDURES:

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent

explosive rupture.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Closed containers exposed to heat from fire may build pressure and

explode.

NFPA HAZARD CODES: HEALTH: 1 FIRE: 2 REACTIVITY: 0 UNUSUAL REACTION HAZARD: none

#### 4. REACTIVITY DATA

STABILITY: Stable INCOMPATIBILITY - MATERIALS TO AVOID:

Heat.

HAZARDOUS POLYMERIZATION: Will Not Occur HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide.

## 5. ENVIRONMENTAL INFORMATION

#### SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. In the U.S.A., call (612) 733-1110 or (612) 733-6100 for 24-hour spill assistance. Ventilate area. Extinguish all ignition sources. Collect spilled material. Clean up residue with water. Place in a U.S. DOT-approved container.

### RECOMMENDED DISPOSAL:

Flush spent solutions and small quantities (less than 5 gal.(19 L)) to a wastewater treatment system. Reduce discharge rate if foaming occurs. Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Do not puncture or burn cans in a household incinerator. Facility must be capable of handling aerosol cans. Dispose of empty cans in a sanitary landfill.

#### ENVIRONMENTAL DATA:

Not determined.

### REGULATORY INFORMATION:

Volatile Organic Compounds: ca. 275 gms/liter South Coast Air Quality Mgmt Dist Method Rule 443.1, calculated. VOC Less H20 & Exempt Solvents: N/D.

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S.

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# 5. ENVIRONMENTAL INFORMATION

(continued)

EPA Hazardous).

All chemicals used in the manufacture of this material are listed on the following chemical inventories: TSCA

FIRE HAZARD: No PRESSURE: Yes REACTIVITY: No ACUTE: Yes CHRONIC: Yes EPCRA HAZARD CLASS:

# 6. SUGGESTED FIRST AID

Immediately flush eyes with large amounts of water. Get immediate EYE CONTACT: medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

If swallowed, call a physician immediately. Only induce vomiting at IF SWALLOWED: the instruction of a physician. Never give anything by mouth to an unconscious person.

# 7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact.

When direct skin contact is likely, wear a pair of gloves. Gloves made from the following materials are recommended: butyl rubber, nitrile rubber.

Use in a well-ventilated area. Provide sufficient ventilation to VENTILATION PROTECTION: maintain emissions below recommended exposure limits.

RESPIRATORY PROTECTION:

Avoid breathing of vapors, mists or spray.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Store at temperatures below 120 degrees F (49 degrees C). Keep out

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7. PRECAUTIONARY INFORMATION

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of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:
Aerosol container contains flammable gas under pressure. Keep
from heat, sparks, open flame, and other sources of ignition.
pierce or burn container, even after use. Do not

WATER ANDSCALARAS NA
2-BUTOXYETHANOL
2-BUTOXYETHANOL
2-BUTOXYETHANOL
2-BUTOXYETHANOL
2-BUTOXYETHANOL
3-BUTOXYETHANOL
4-BUTOXYETHANOL
4-BUTOXYE INGREDIENTS EXPOSURE LIMITS NONE 35 NONE Simple asphyxiant SKINX

\* SKIN NOTATION: Listed substances indicated with "Y" under SKIN refer to the potential contribution to the overall exposure by the cutameous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIHIT DATA:

- ACGH: American Conference of Governmental Industrial Hygienists
- ALHA: American Industrial Hygine Assoc. Workplace Environmental Exposure Level
- OSHA: Occupational Safety and Health Administration

8. HEALTH HAZARD DATA

SKIN GONIAGI: Mild Skin irritation: signs/symptoms can include radness, swelling, EXE CONTACT: Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

Prolonged or repeated exposure may cause:

May be absorbed through the skin and produce effects similiar those caused by inhalation and/or ingestion.

INHALATION: Single overexposure, above recommended guidelines, may cause:

Abbreviations: N/D - Not Determined N/A - Not Applicable

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8. HEALTH HAZARD DATA

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Irritation (upper respiratory): signs/symptoms can include soreness of the mose and throat, coughing and sneezing.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MOSD BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Central Mervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, siurned speech, giddiness and unconsciousness.

IF SMALLOWED: Ingestion is not a likely route of exposure to this product.

Ingestion may cause:

!rritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

SECTION CHANGE DATES

HEADING

SECTION CHANGED SINCE AUGUST 22, 1996 ISSUE

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