



## MATERIAL SAFETY DATA SHEET

G-FORCE Multipurpose  
Cleaner

MSDS Ref. No: 4410  
Date Prepared: 04/18/2002  
Date Revised: 08/16/2002

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME/USE:** G-FORCE Multipurpose Cleaner  
Product Synonyms: 70 G-FORCE Multipurpose Cleaner Concentrate;  
Command Center 70 G-FORCE Multipurpose Cleaner Concentrate

#### MANUFACTURER

The Butcher Company  
67 Forest Street  
Marlborough, MA 01752-3012

**Butcher Telephone Number:** 800-225-9475  
**Emergency Telephone (24 hours):** 800-228-5635  
**CHEMTREC (U.S./Can.):** 800-424-9300  
**CHEMTREC (Int'l):** +1 703-527-3887

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT(S)</u>	<u>CAS#</u>	<u>% BY WEIGHT</u>
Linear primary alcohol ethoxylate	68439-46-3	7 - 10
Propylene glycol monobutyl ether	5131-66-8	3 - 5

See Section 8 for Exposure Limits NA - Not Applicable

**OSHA REGULATORY STATUS:** This product is classified as hazardous under OSHA regulations.

**WHMIS CLASS:** Class D- Division 2B

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Clear, Green Liquid . No Odor. Causes Eye Irritation.

#### POTENTIAL HEALTH EFFECTS (See Section 11 for Toxicological Information)

PRIMARY ROUTE(S) OF EXPOSURE:  Eye  Skin Contact  Skin Absorption  
 Inhalation  Ingestion

#### EFFECTS OF ACUTE EXPOSURE

**EYES:** Causes eye irritation. Symptoms may include redness and pain.

**SKIN:** Non-irritating to the skin.

**INHALATION:** High concentrations of vapor or mist may cause nose, throat and respiratory tract irritation. Symptoms may include coughing.

**INGESTION:** May cause mild mouth, throat and stomach irritation. Symptoms may include nausea.

**EFFECTS OF CHRONIC EXPOSURE:** Prolonged or repeated contact can cause defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**MEDICAL CONDITIONS AGGRAVATED:** None known.

#### 4. FIRST AID MEASURES

**EYES:** Flush eyes with plenty of water while holding eyelids apart. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not put any medication in the victim's eyes unless instructed by a physician. Get medical attention.

**SKIN:** Flush with water, then wash with soap and water. Remove saturated clothing. Get medical attention if irritation develops.

**INHALATION:** Remove to fresh air. Get medical attention if symptoms persist.

**INGESTION:** Do not induce vomiting. Drink large quantities of water. Get medical attention.

#### 5. FIRE FIGHTING MEASURES

**FLASH POINT AND METHOD:** > 93°C (200°F)TCC

**FLAMMABLE LIMITS:** Not applicable.

**AUTOIGNITION TEMPERATURE:** Not applicable.

**EXTINGUISHING MEDIA:** Use extinguishing media appropriate for surrounding fire.

**HAZARDOUS COMBUSTION PRODUCTS:** Normal products of combustion (carbon monoxide and carbon dioxide).

**FIRE AND EXPLOSION HAZARDS:** None known.

**FIRE FIGHTING INSTRUCTIONS:** This product is not flammable. As in any fire, MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear should be worn.

#### 6. ACCIDENTAL RELEASE MEASURES

See Section 8, Exposure Controls/Personal Protection and Section 3, Hazard Identification. Floors may be slippery. Use care to avoid falling. Contain and isolate spill. Prevent from entering sewers and waterways. Keep non-essential personnel from entering spill area. Use mop, absorbent, or wet vacuum to collect material for proper disposal. Rinse area with water.

#### 7. HANDLING AND STORAGE

**HANDLING:** Follow label use directions. Do not mix with other chemicals unless instructed by label directions. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Remove saturated clothing. Wash clothing and equipment before reuse.

**STORAGE:** Keep container closed when not in use. Keep from freezing.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**EYE:** Not required under normal conditions of use.

**SKIN:** Where prolonged or repeated contact is possible, chemical-resistant clothing (e.g., gloves) is recommended.

**RESPIRATORY:** No respiratory protection is required if ventilation is adequate.

**ENGINEERING CONTROLS:** Good general room ventilation is expected to be adequate.

##### EXPOSURE LIMITS:

##### INGREDIENT(S)

Linear primary alcohol ethoxylate  
Propylene glycol monobutyl ether

##### OSHA PEL/STEL

NA  
NA

##### ACGIH TLV/STEL

NA  
NA

NA - Not Available

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** No  
**APPEARANCE:** Clear, Green  
**pH:** 9.1  
**PERCENT VOLATILE BY WEIGHT:** 90.2  
**VAPOR PRESSURE:** Not Determined  
**VAPOR DENSITY:** Not Determined  
**BOILING POINT:** Not Determined  
**FREEZING/MELTING POINT:** Not Determined  
**SOLUBILITY IN WATER:** Complete  
**EVAPORATION RATE:** Not Determined  
**SPECIFIC GRAVITY:** 1.01  
**VISCOSITY:** Water Thin  
**OCTANOL/WATER PARTITION COEFFICIENT:** Not Determined  
**ODOR THRESHOLD:** Not Determined

## 10. STABILITY AND REACTIVITY

**STABILITY (CONDITIONS TO AVOID):** Stable.

**POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION:** None known.

**INCOMPATIBLE MATERIALS:** None known.

## 11. TOXICOLOGICAL INFORMATION

**ACUTE DATA:** This product is a primary eye irritant and non-irritating to skin. Based on acute toxicity testing, this product is not toxic by ingestion. The following additional data is available for the product and its ingredients:

<u>PRODUCT/INGREDIENT</u>	<u>ORAL LD<sub>50</sub> (rat)</u>	<u>DERMAL LD<sub>50</sub> (rabbit)</u>	<u>INHALATION LC<sub>50</sub> (rat)</u>
G-FORCE Multipurpose Cleaner	>5000 mg/kg	Not Available	Not Available
Linear primary alcohol ethoxylate	1400 - 2700 mg/kg	>4000 - mg/kg	Not Available
Propylene glycol monobutyl ether	1900 - 3300 mg/kg	1400 - mg/kg	Not Available

**SENSITIZATION DATA:** No data available.

**CHRONIC DATA:**

No data available.

**REPRODUCTIVE/TERATOGENIC DATA:** No data available.

**CARCINOGENIC/MUTAGENIC DATA:** Not listed as carcinogenic by NTP, IARC, or ACGIH or regulated as a carcinogen by OSHA.

**SYNERGISTIC MATERIALS:** No data available.

## 12. ECOLOGICAL INFORMATION

This product is readily biodegradable as determined by OECD 301B biodegradation test.

The 48 hour EC50 value for acute toxicity to Daphnia magna was determined to be 110 mg/L. The No-Observed-Effect Concentration (NOEC) established for this product was 41 mg/L.

## 13. DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, state or provincial and federal regulations. The unused product, as manufactured, is a RCRA non-hazardous waste in accordance with 40 CFR 261. The product has not been evaluated by the Toxicity Characteristic Leachate Procedure (TCLP). According to RCRA, it is the responsibility of the waste generator to ensure proper disposal.

## 14. TRANSPORT INFORMATION

DOT/TDG HAZARDOUS MATERIAL DESCRIPTION: Not regulated

## 15. REGULATORY INFORMATION

*Not meant to be all-inclusive---selected regulations represented.*

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** Under 40 CFR 370.2, this product meets the following hazard category: Immediate.

**313 REPORTABLE INGREDIENTS:** Ingredients in this product are not currently subject to notification.

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** Not reportable under CERCLA.

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA STATUS:** This product complies with all TSCA inventory requirements.

#### MASSACHUSETTS, NEW JERSEY, PENNSYLVANIA RIGHT-TO-KNOW:

##### INGREDIENT(S)

Water

Linear primary alcohol ethoxylate

Propylene glycol monobutyl ether

NA - Not Applicable

##### CAS NO.

7732-18-5

68439-46-3

5131-66-8

##### STATE LISTING

Not Listed

Not Listed

Not Listed

### CANADA

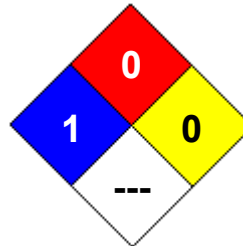
**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** Class D-Division 2B, eye irritant.

## 16. OTHER INFORMATION

### HMIS RATING

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	-

### NFPA CODES:



**APPROVED BY:** Product Safety & Regulatory

### MSDS STATUS

**Revision No:** 1

Revision #: 1

This MSDS replaces the April 23, 2002 MSDS. Any changes in information are as follows:

In Section 3

Emergency Overview - Immediate Concerns Chronic Effects Signs & Symptoms - Eyes Signs & Symptoms - Skin

In Section 4

Firstaid - Eyes

In Section 11

Dermal LD50 (Unit) Toxicological Oral LD50 (Value) Oral LD50 (Unit) Inhalation LC50 (Unit) Oral LD50 (Operator)

In Section 12

Ecological

In Section 16  
HMIS Health

**APPROVAL DATE:** 08/16/2002

*The information on this data sheet represents our current data and best opinion as to the proper use in handling of the product under normal foreseeable conditions. Any use of this product which is not in conformance with this data sheet or product label, or which involves using the product in combination with any other product or any other process is the responsibility of the user.*