

# MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE: 1-800-346-0132  
CHEMTREC PHONE: 1-800-255-3924

A106 BRAVO FOAM

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**NFPA RATING:**

HEALTH: 0                      FLAMMABILITY: 2                      REACTIVITY: 0                      SPECIAL:

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**HMIS RATING:**

HEALTH: 0                      FLAMMABILITY: 2                      REACTIVITY: 0                      PERSONAL PROTECTION: A

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**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

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PRODUCT NAME: BRAVO FOAM  
PRODUCT CODES: A106  
PRODUCT USE: Waterless Hand Cleaner with Aloe Vera and Lanolin  
MANUFACTURER: Chemax Corporation  
ADDRESS: P O Box 7453  
Beaumont TX 77726-7453  
DATE PREPARED: 10/12/09  
PREPARED BY: R Hinshaw

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**SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS**

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| <u>INGREDIENT NAME:</u>         | <u>CAS NO.</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>% WT</u> | <u>SARA 313</u> |
|---------------------------------|----------------|-----------------|------------------|-------------|-----------------|
| ALIPHATIC HYDROCARBONS          | 8052-41-3      | 500 ppm         | 100 ppm          | 20 – 30     |                 |
| OLEIC ACID                      | 112-80-1       | N/E             | N/E              | 01 – 05     |                 |
| TRIETHANOLAMINE                 | 102-71-6       | N/E             | 5 mg / m3        | 01 – 05     |                 |
| ETHYLENE GLYCOL MONOBUTYL ETHER | 111-76-2       | 50 ppm (skin)   | 20 ppm (skin)    | 01 – 05     | YES             |
| LIQUEFIED PETROLEUM GAS         | 68476-86-8     | 1000 ppm        | 1000 ppm         | 05 – 15     |                 |

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**SECTION 3: HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW:** Keep out of reach of children. Contents under pressure. Use only as directed.  
Intentional misuse by deliberately concentrating and inhaling the contents can be harmful.

**ROUTES OF ENTRY:** Eyes. Skin. Ingestion. Inhalation.

**POTENTIAL HEALTH EFFECTS:**

**EYES:** May cause slight irritation.

**SKIN:** Unlikely to cause skin irritation when used as directed. Prolonged or excessive exposure may cause irritation, drying and cracking of skin. May aggravate existing skin conditions.

**INGESTION:** Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.  
Aspiration of material into lungs can cause chemical pneumonitis and other pulmonary injury.

**INHALATION:** Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract, dizziness, nausea, and other central nervous system effects.

**CHRONIC HEALTH HAZARDS:** None known.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Possibly existing skin and respiratory conditions.

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## SECTION 4: FIRST AID MEASURES

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**EYES:** Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists, get medical attention immediately.

**SKIN:** If, in rare cases, allergic reaction occurs, wash with soap and water. If irritation persists, seek medical attention.

**INGESTION:** Do NOT induce vomiting. Seek immediate medical attention.

**INHALATION:** Remove to fresh air. Resuscitate if necessary. Seek medical attention.

**NOTES TO PHYSICIAN OR FIRST AID PROVIDER:** None.

**SECTION 4 NOTES:**

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## SECTION 5: FIRE-FIGHTING MEASURES

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

**FLASH POINT (Method Used: TCC):** 152 F

**FLAMMABILITY (as per USA Flame Projection Test):** Non-flammable spray

**AUTO IGNITION TEMPERATURE:** N/A

**EXTINGUISHING MEDIA:** Foam. Carbon Dioxide. Dry Media.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus and protective clothing.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Do not expose to temperatures above 120 F or container may rupture.

**SECTION 5 NOTES:** Cool fire exposed containers to prevent rupturing

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**ACCIDENTAL RELEASE MEASURES:** Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping.

**SECTION 6 NOTES:** Dispose of residue in accordance with all federal, state and local regulations.

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## SECTION 7: HANDLING AND STORAGE

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**HANDLING AND STORAGE:** For industrial and institutional use only. Do not spray on food. Keep out of reach of children. Do not store at temperatures above 120 F. Do not puncture or incinerate container.

**OTHER PRECAUTIONS:** Keep out of reach of children. Avoid food contamination.

**SECTION 7 NOTES:** NFPA Code 30B Rating: Level 1 Aerosol

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## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### ENGINEERING CONTROLS:

VENTILATION : None required when used in accordance with label directions.

RESPIRATORY PROTECTION: If vapor concentration exceeds TLV, use respirator approved by NIOSH for organic vapor or SCBA.

EYE PROTECTION: If splash or spray back could occur, wear safety glasses or chemical proof splash goggles.

SKIN PROTECTION: None required when used in accordance with label directions.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None.

WORK HYGIENIC PRACTICES: Wash hands thoroughly after use. Keep away from food and drink.  
Handle in accordance with good industrial hygiene and safety practices.

### EXPOSURE GUIDELINES:

### SECTION 8 NOTES:

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: White foam

ODOR: Bouquet scent

### PHYSICAL STATE:

pH: 8.15

BOILING POINT: ~ 212 F (for liquid concentrate only)

MELTING POINT: N/A

VAPOR PRESSURE (mm Hg): 55 psig (of can) @ 70 F

VAPOR DENSITY (AIR = 1): > 1

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 0.903 (for liquid concentrate only) @ 77 F

EVAPORATION RATE (Butyl Acetate = 1): < 1

SOLUBILITY IN WATER: Complete

TOTAL VOC (Volatile Organic Compounds) (% by weight): 40.25% (for total contents of can)

TOTAL VOC (Volatile Organic Compounds) (grams / Liter): 337.61 g/L (for total contents of can)

PERCENT VOLATILE (by WT / by VOL):

### SECTION 9 NOTES:

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## SECTION 10: STABILITY AND REACTIVITY

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STABILITY: Stable.

CONDITIONS TO AVOID:

INCOMPATIBILITY (Material to Avoid): Strong acids and oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon monoxide. Carbon Dioxide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 10 NOTES:

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## SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION: No specific toxicological data is available for this product.

SECTION 11 NOTES: Please refer to Section 3 for information on potential health effects.

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION: No specific ecological data is available for this product.

SECTION 12 NOTES: Please refer to Section 6 for information regarding spills and Section 15 for regulatory information.

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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: Dispose of residue in accordance with all federal, state and local regulations.  
Do not puncture or incinerate container. Wrap container and place in trash collection.

RCRA HAZARD CLASS:

SECTION 13 NOTES: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.

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## SECTION 14: TRANSPORT INFORMATION

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U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Consumer Commodity, ORM-D  
HAZARD CLASS: 2.2  
UNID NUMBER: 1950  
PACKING GROUP: No packing group  
TYPE: Aerosol / Non-Flammable

WATER TRANSPORTATION

PROPER SHIPPING NAME: Consumer Commodity, ORM-D  
HAZARD CLASS: 2.2  
UNID NUMBER: 1950  
PACKING GROUP: No packing group  
TYPE: Aerosol / Non-Flammable

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## SECTION 15: REGULATORY INFORMATION

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### U.S. FEDERAL REGULATIONS:

TSCA (Toxic Substance Control Act): All chemicals are listed.

CERCLA (Comprehensive Response Compensation and Liability Act):

SARA TITLE III EPCRA (Superfund Amendments and Reauthorization Act):

Section 311 – 312: Hazardous Chemical Inventory:

Section 313: Toxic Chemical Release Inventory: 111-76-2 Ethylene Glycol Monobutyl Ether

CALIFORNIA PROPOSITION 65: N/A

Known to the State of California to cause birth defects or other reproductive harm: N/A

Known to the State of California to cause cancer: N/A

### CARCINOGEN OR POTENTIAL CARCINOGEN:

OSHA: No                      ACGIH: No                      NTP: No                      IARC: No

### STATE REGULATIONS:

### SECTION 15 NOTES:

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## SECTION 16: OTHER INFORMATION

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PREPARATION INFORMATION: R Hinshaw

DISCLAIMER: Information provided in this MSDS is correct to the best of our knowledge, information and belief at publication date.