



MATERIAL SAFETY DATA SHEET

SECTION I - IDENTIFICATION

Manufacturer BioGenesis Enterprises, Inc.
Address 308 S. Mt. Prospect Rd., Des Plaines, IL 60016

Trade Name BG-Clean™ 406 **Product** Heavy Duty Industrial Cleaner
Emergency Phone (703) 913-9700 **Date Developed** November 1, 1995 **Last Update** Oct. 2004
Information Phone (703) 913-9700 **MSDS Control** cBG406

SECTION II - INGREDIENTS AND HAZARD CLASSIFICATION

<u>Ingredients (CAS)</u>	<u>Percent</u>	<u>OSHA PEL/TLV</u>
Isopropyl alcohol (67-63-0)*	2-6%	400 ppm
Potassium hydroxide (1310-58-3) ²	2%	2 mg/m ³ ceiling

The remaining components are classified trade secret. No other components are believed to be hazardous, are listed in the NIOSH Recommendations for Occupational Safety and Health Standards, 1988, or are listed as hazardous by SARA, CERCLA, or RCRA. No OSHA PELs are established for any of the other ingredients.

*Subject to SARA 313 reporting.

²CERCLA RQ is 1,000 lbs.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (°C) 100°C **Vapor Pressure (mm Hg)** Same as water.
Solubility In Water 100% **Specific Gravity** 1.09 @ 20°C **pH** 12
Appearance and Odor Straw colored liquid, mild lemon & alcohol smell. (Note: Contains no d-limonenes.)

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point > 61°C, closed cup **Flammable Limits** Not applicable.
LEL Not applicable. **UEL** Not applicable.
Extinguishing Media Water fog, carbon dioxide, dry chemical.
Special Fire Fighting Procedures Use self contained breathing apparatus if fighting fire in confined spaces.
Unusual Fire and Explosion Hazards None.

SECTION V - REACTIVITY DATA

Stability Stable **Incompatibility** Oxidizers

Hazardous Decomposition Products Carbon monoxide and carbon dioxide.

Hazardous Polymerization Will not occur.

SECTION VI - HEALTH HAZARD DATA

Exposure Limits

OSHA PEL Not established. **ACGIH TEL** Not established.

Routes of Entry

Inhalation Yes **Skin** Yes **Ingestion** Yes

Signs and Symptoms of Exposure

Eyes Liquid is a contact irritant. Irritation may occur with prolonged exposure to concentrated vapors. May cause corneal inflammation.

Skin Liquid is a medium strong base. Repeated or prolonged contact can cause reddening of the skin, scaling, and dermatitis.

Inhalation May cause irritation of the throat, drowsiness, dizziness, and headache with prolonged exposure to concentrated vapors.

Ingestion Nausea; diarrhea.

First Aid

Eyes Immediately flush eyes with large amounts of water for at least 15 minutes. Immediately seek medical aid.

Skin Flush affected area and wash with mild soap and water.

Inhalation Remove to fresh air; give CPR if unconscious.

Ingestion Obtain medical attention immediately.

Carcinogenicity

NTP? Not listed. **IARC?** Not listed. **OSHA Regulated?** Not listed.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Spill or Leak Procedures

Collect with absorbent material or pick up mechanically. Rinse affected area with water.

Waste Disposal Method

Dispose as non-hazardous waste in accordance with local regulations.

Storage and Handling Precautions

Store at ambient temperature in closed container to prevent evaporation. May be stored in temperatures from -35°C to 60°C without deterioration. Product not affected by freezing; however, container may not resist expansion. Do not store concentrate in aluminum.

Other Precautions

Product is a strong cleaner and degreaser. Although components have low hazard levels, the product is a strong base and will remove oils from the skin. Avoid prolonged skin contact.

SECTION VIII - CONTROL MEASURES

Respiratory Protection

Under ordinary conditions of use for its intended purpose, no respiratory protection is required.

Ventilation

Under ordinary conditions of use for its intended purpose, no special ventilation is required.

Protective Gloves

Wear when cleaning by hand, or when there is reasonable probability of contact.

Eye Protection

Wear if needed to prevent reasonable probability of eye contact.

Work/Hygenic Practices

Observe standard general work practices regarding ingestion, eye contact, and inhalation. Wash after using if there is reasonable probability of contact with the cleaner. Promptly remove any non-impervious clothing that becomes wet.

SECTION IX - HAZARD CLASSIFICATION

IMO Hazard Class and Number Non-hazardous **UN Number** Not applicable.

US DOT Hazard Class Not regulated by DOT **US DOT Identification Number** Not applicable.

The information presented in this MSDS is believed to be factual. However, nothing contained in this information is to be taken as a warranty of any kind by BioGenesis Enterprises, Inc. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.