



MATERIAL SAFETY DATA SHEET

SECTION I - IDENTIFICATION

Manufacturer BioGenesis Enterprises, Inc.
Address 330 S. Mt. Prospect Rd., Des Plaines, IL 60016
Trade Name BG-Clean™ 401D

Product Cleaner, Biodegrader, & Dispersant

Emergency Phone (703) 913-9700 **Date Prepared** July 1, 1991 **Last Reviewed** Dec. 2003

Information Phone (703) 913-9700 **MSDS Control** bBG401D

SECTION II - INGREDIENTS AND HAZARD CLASSIFICATION

<u>Ingredients</u>	<u>Percent</u>	<u>OSHA PEL/TLV</u>
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The components of BG-Clean™ 401D are a complex blend of surfactants classified trade secret. No 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 ingredients.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (°F)	100°C	Vapor Pressure (mm Hg)	< 1.0 at 20°C		
Solubility In Water	100%	Specific Gravity	1.002	pH	7.5
Appearance and Odor	Straw colored liquid, fresh citrus scent. (Note: Contains no d-limonenes.)				

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point	Not applicable.	Flammable Limits	Not flammable.
LEL	Not explosive.	UEL	Not explosive.
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.
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BioGenesis Enterprises, Inc.

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 Irritation may occur with prolonged exposure to concentrated vapors. Liquid is a contact irritant. May cause corneal inflammation. Medium hazard by this route.

Skin Repeated or prolonged contact can cause reddening of the skin, scaling, and dermatitis. Low hazard by this route.

Inhalation This material is a negligible hazard due to its low volatility. If vapor is present in high concentrations, irritation to upper respiratory tract may occur.

Ingestion Low order of toxicity. No hazard by this route in normal use.

First Aid

Eyes Flush eyes with large amounts of water for at least 15 minutes. If irritation persists, seek medical aid.

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

Inhalation Remove to fresh air.

Ingestion Do not give liquids if victim is unconscious or very drowsy. Otherwise, give no more than two glasses of water and induce vomiting. Get medical attention.

Toxicity Data

This product has not been specifically tested for toxicity. Linear extrapolation of toxicity data for each component, based on proportionate concentration of the component in this product, leads to the following estimates:

Skin Contact Estimated Acute Dermal LD₅₀, Rabbits: 7500 mg/kg. Estimated Skin Irritation Index, Rabbits: 0.3 to 0.6 (Max. possible score is 8.0).

Eye Contact Estimated Eye Irritation Index in Rabbits unwashed: 7-12 (72 hrs. after exposure) (Max. possible score is 110).

Inhalation No data available. Hazard estimated to be negligible.

Ingestion Estimated Acute Oral LD₅₀, Rat: 2500 mg/kg.

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 -30°F to 140°F without deterioration. Product not affected by freezing. Container may not resist expansion.

Other Precautions

Product is a cleaner and degreaser. Although components have very low hazard levels, the product 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 if doing prolonged cleaning by hand.

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.