



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™ 402 & 402N
Product Heavy Duty Industrial Cleaner
Emergency Phone (703) 913-9700 **Date Developed** May 1, 1995 **Last Update** Sept. 2004
Information Phone (703) 913-9700 **MSDS Control** bBG402

SECTION II - INGREDIENTS AND HAZARD CLASSIFICATION

<u>Hazardous Ingredients</u>	<u>Percent</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
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The components of BG-Clean™ 402 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)	212°F	Vapor Pressure (mm Hg)	< 1.0 at 20°C		
Solubility In Water	100%	Specific Gravity	1.002	pH	8
Appearance and Odor	Straw colored liquid, slight 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.

BioGenesis Enterprises, Inc.

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 for the product.

ACGIH TLV

Not established for the product.

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.

Skin

Repeated or prolonged contact can cause reddening of the skin, scaling, and dermatitis.

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 LD ₅₀ , 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 LD ₅₀ , Rat: 2500 mg/kg.

Carcinogenicity

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

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

<u>IMO Hazard Class and Number</u>	Non-hazardous.
<u>UN Number</u>	Not applicable.
<u>US DOT Hazard Class</u>	Not regulated by DOT.
<u>US DOT Identification Number</u>	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.