

# Safety Data Sheet

## BioPlex D

### 1. Product and company identification

**Product name** : BioPlex D  
**SDS #** : 754  
**Material uses** : Bio-chemical deodorant  
**Preparation date** : 2/25/14  
**Date Revised** : 6/10/2015  
 Wayne Concept  
 5005 Speedway Drive  
 Fort Wayne, IN 46825  
  
 Phone: (260) 482-8615  
 Fax: (260) 483-5598

**In case of emergency** : INFOTRAC (800) 535-5053

### 2. Hazards identification

**Physical state** : Liquid.  
**Odor** : Pleasant odor.  
**Color** : Opaque.  
  
**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.  
  
**Emergency overview** : WARNING  
 CAUSES SERIOUS EYE IRRITATION. MAY CAUSE SKIN IRRITATION  
 Avoid breathing vapor or mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.  
 Serious Eye Damage/Irritation; 2A

See toxicological information (Section 11)

**GENERAL INFORMATION** : Read the entire SDS for a more thorough evaluation of the hazards.

### 3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Alcohols, C9-11, ethoxylated	68439-43-3	1 – 5
Bacterial complex	68920-42-3	1 – 5

## 4 . First aid measures

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
- Inhalation** : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
- Ingestion** : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- Notes to physician** : No specific treatment. Treat symptomatically. Call medical doctor or poison control center immediately if large quantities have been ingested.

## 5 . Fire-fighting measures

- Flash point** : Not determined
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide
- Extinguishing media**
- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special exposure hazards** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6 . Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.
- Methods for cleaning up** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## 7 . Handling and storage

- Handling** : Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8 . Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
- Engineering measures** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Personal protection**
- Respiratory** : In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

## 8 . Exposure controls/personal protection

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9 . Physical and chemical properties

### Appearance

**Physical state** : Liquid.  
**Color** : Opaque.  
**Odor** : Pleasant odor  
**pH** : 7 – 8 ±0.5  
**Boiling/condensation point** : 200+.  
**Melting/freezing point** : 5°C (41°F)  
**Flash point** : None to boiling  
**Flammable limits** : Not available.  
**Auto-ignition temperature** : Not available.  
**Vapor pressure** : Equivalent to water.  
**Specific gravity** : 1.0 ±0.005  
**Water solubility** : Soluble  
**Partition coefficient: n-octanol/water (log Kow)** : Not available.  
**Viscosity** : Kinematic (room temperature): 1.12 cm<sup>2</sup>/s (112 cSt)  
**Density** : 8.32.  
**Vapor density** : Equivalent to water.  
**Evaporation rate** : About the same as water.

## 10 . Stability and reactivity

**Chemical stability** : The product is stable.  
**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.  
**Hazardous polymerization** : Under normal conditions of storage and use, hazardous polymerization will not occur.  
**Conditions to avoid** : No specific data.  
**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 . Toxicological information

### Potential acute health effects

**Inhalation** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.  
**Skin contact** : Slightly irritating to the skin.  
**Eye contact** : Slightly irritating to the eyes.

### Potential chronic health effects

**General** : No known significant effects or critical hazards.

## 11 . Toxicological information

**Target organs** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

**Medical conditions aggravated by over-exposure**

None known.

## 12 . Ecological information

**Environmental effects** : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Water polluting material. May be harmful to the environment if released in large quantities.

**Other adverse effects** : No known significant effects or critical hazards.

**Other ecological information**

**BOD5** : Not Determined

**COD** : Not Determined

**TOC** : Not Determined

## 13 . Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Disposal should be in accordance with applicable regional, national and local laws and regulations.**

## 14 . Transport information

**DOT/IMDG/IATA Hazard Classification:** Non-Hazardous, not regulated

**Hazardous:** N

**Shipping Name:** LIQUID CLEANING COMPOUNDS

**Freight Class:** 55

## 15 . Regulatory information

### OSHA HAZARD COMMUNICATION STANDARD (26 CFR 1910.1200)

Hazardous  Non-Hazardous

### CERCLA/SUPERFUND (40 CFR 117, 302)

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

### SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355)

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

### SARA HAZARD CATEGORIES (40 CFR 370)

Acute  Chronic  Fire  Pressure  Reactive  None

### SARA TOXIC SUBSTANCES (40 CFR 372)

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

### US TOXIC SUBSTANCES CONTROL ACT/INVENTORY STATUS

The components of Masodol 900 are listed and in compliance with the requirements of the following chemical inventories: US (TSCA; FIFRA-EPA Pesticide Inert Ingredient), Canada (DSL), European Communities (EINECS-Polymer, REACh Status: Exempt polymer, monomer(s) pre-registered), Australia (AICS), China (IECSC), Japan (ENCS), Korea (ECL), New Zealand (NZIoC), Philippines (PICCS), ASIA-PAC.

### STATE REGULATIONS

None listed.

### HARMONIZED TARIFF SCHEDULE CODES

US Census Bureau Schedule B 2008: 3402.13.0000

Departmental Consolidation of the *Customs Tariff* 2008 (Canada): 3402.13.9029 EC Community Tariff (TARIC): 3402.13.0090

### CANADIAN WHMIS CLASSIFICATION

Class D Division 2 Subdivision B-Toxic Material: D-2B

### EUROPEAN COMMUNITY LEGISLATION: EC-DIRECTIVE-MARKINGS

**Substance Name** Alcohols, C9-11, ethoxylated

#### Symbols



R-phrases: R41: Risk of serious damage to eyes

S-phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection.  
S39: protection.

EU directive Classification and labeling have been performed according to EC-directive 2001/58/EC.

## 16 . Other information

**Label requirements** : Causes serious eye irritation.

#### ABBREVIATIONS

C:	Ceiling limit	N/A:	Not Applicable	N/D:	Not determined
	Not established	N/K:	Not known	RQ:	Reportable quantity

TPQ: Threshold Planning Quantity

#### TEXT OF R PHRASES IN SECTION 2

R41: Risk of serious damage to eyes

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