



# Material Safety Data Sheet

20558D

Revision Date: 11/16/2007  
Issued: 11/16/2007

## OPTIPHEN™ BSB-N

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Responsible Party:** International Specialty Products  
1361 Alps Rd.  
Wayne, N.J. 07470  
U.S.A.  
Telephone: (973) 628-4000

**Emergency Telephone Number:** CHEMTREC: 1-800-424-9300 or 703-527-3887 (Outside of the USA)  
(Spill Related Emergencies)  
PROSAR: 1-800-241-7439 (Health Related Emergencies)

**Prepared By:** Product Stewardship

**Product Id:** 20558D

**Product Name:** OPTIPHEN™ BSB-N

**CAS Registry Number:** 100-51-6; 56-81-5; 65-85-0; 110-44-1

**CAS Name:** Benzyl alcohol ; 1,2,3-Propanetriol; Benzoic Acid ; Sorbic Acid

**Synonyms:** Benzyl alcohol; Glycerin; Benzoic Acid; Sorbic Acid (INCI NAMES)

**Product Use:** Preservative

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

WARNING! HARMFUL IF INHALED. HARMFUL IF SWALLOWED. CAUSES MODERATE EYE IRRITATION.

#### Hazard Overview

**Target Organs:**

- Eyes
- Skin

**Primary Route(s) of Exposure:** Eyes. Dermal - skin. Inhalation.

**Acute Health Hazards:** Causes moderate eye irritation.

**Chronic Health Hazards:** None known

**Signs and Symptoms of Overexposure**

**Eye Contact:** Causes moderate eye irritation.

**Skin Contact:** May cause mild skin irritation.

**Ingestion:** Harmful if swallowed.

**Inhalation:** Harmful if inhaled.

### 3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

| Components:                      | Weight % |
|----------------------------------|----------|
| BENZYL ALCOHOL<br>100-51-6       | 35-45    |
| 1,2,3-Propanetriol<br>56-81-5    | 35-45    |
| Benzoic Acid<br>65-85-0          | 10-20    |
| 2,4-Hexadienoic acid<br>110-44-1 | 1-10     |

### 4. FIRST AID MEASURES

|                      |   |
|----------------------|---|
| <b>Eye Contact:</b>  | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.                           |
| <b>Skin Contact:</b> | Wash with soap and water.   |
| <b>Ingestion:</b>    | Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.          |
| <b>Inhalation:</b>   | If inhaled, remove to fresh air. If not breathing or if breathing is difficult, give artificial respiration or oxygen by trained personnel. Seek medical attention. |

### 5. FIRE FIGHTING MEASURES

|  |   |
|--|---|
| <b>NFPA Rating:</b>                    | HEALTH 2, FLAMMABILITY 0, REACTIVITY 0  |
| <b>Flash Point (°F):</b>               | Not determined  |
| <b>Extinguishing Media:</b>            | All standard firefighting media   |
| <b>Unusual Fire/Explosion Hazards:</b> | Unknown   |
| <b>Special Protective Equipment:</b>   | Fire fighters should wear full protective clothing, including self-contained breathing equipment. |
| <b>HMIS RATING:</b>                    |   |
| <b>HEALTH</b>                          | 2   |
| <b>FLAMMABILITY</b>                    | 0   |
| <b>PHYSICAL HAZARD</b>                 | 0   |

### 6. ACCIDENTAL RELEASE MEASURES

|   |   |
|---|---|
| <b>Personal Precautionary Measures:</b>   | Use appropriate protective equipment.             |
| <b>Procedure for Cleaning/Absorption:</b> | Contain spill with sand or other inert materials. |

### 7. HANDLING AND STORAGE

|                  |   |
|------------------|---|
| <b>Handling:</b> | Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Do not get in eyes. Wash thoroughly with soap and water after handling.                 |
| <b>Storage:</b>  | Keep containers tightly closed when not in use. Store in a cool, dry place, out of direct sunlight. Should be stored at a temperature between 8-25°C in original packaging. |

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                                |  |
|--------------------------------|--|
| <b>Engineering Controls:</b>   | Use in a well ventilated area.   |
| <b>Respiratory Protection:</b> | Use in a well ventilated area. Wear a NIOSH approved respirator appropriate for airborne exposure at the point of use. |

**Hand Protection:** Use gloves as a standard industrial handling procedure.

**Eye Protection:** Chemical goggles; also wear a face shield if splashing hazard exists.

**Exposure Limits**

| <b>Components:</b>               | <b>ACGIH Threshold Limit Values Data - Time Weighted Average (TWA):</b> | <b>OSHA Specifically Regulated Substances Data - Time Weighted Average (TWA):</b> |
|----------------------------------|---|---|
| BENZYL ALCOHOL<br>100-51-6       | No TLV/TWA Established  | No TLV/TWA Established  |
| 1,2,3-Propanetriol<br>56-81-5    | 10 mg/m <sup>3</sup> Mist.  | 5 mg/m <sup>3</sup> Respirable fraction.<br>10 mg/m <sup>3</sup> Total dust.      |
| Benzoic Acid<br>65-85-0          | No TLV/TWA Established  | No TLV/TWA Established  |
| 2,4-Hexadienoic acid<br>110-44-1 | No TLV/TWA Established  | No TLV/TWA Established  |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Liquid

**Color:** Colorless

**Odor:** noticeable

**Odor Threshold:** Not available

**pH:** 4 (10% solution)

**Specific Gravity:** Not determined

**Bulk Density:** 1.12 - 1.161 g/cm<sup>3</sup>

**Boiling Point (°F):** >302

**Melting Point/Freezing Point(°F):** Not determined

**Vapor Pressure:** Not determined

**Solubility:** 1 g/L

**10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable under normal conditions of handling, use and transportation.

**Hazardous Polymerization:** Will not occur

**Conditions to Avoid:** Temperatures below 8° C

**11. TOXICOLOGICAL INFORMATION**

**Toxicity Test:**

**Acute Oral LD50 (mg/kg):** 1,230 (rat, benzyl alcohol)  
1,700 (rat, benzoic acid)  
7,400 (rat, sorbic acid)

**Acute Dermal LD50 (mg/kg):** 2,000 (rabbit, benzyl alcohol)  
>5,000 (rabbit, benzoic acid)

**Acute Inhalation LC50 (mg/l):** 8.8 mg/L (4h, rat, benzyl alcohol)

**Sensitization:** Based on its composition, not expected to be a skin sensitizer.

**Reproductive/Developmental Toxicity:** Based on its composition, not expected to cause reproductive toxicity.

|                         |  |
|-------------------------|--|
| <b>Carcinogenicity:</b> | Based on its composition, not expected to be carcinogenic.   |
| <b>Teratogenicity:</b>  | Based on its composition, not expected to cause adverse effects following exposure during pregnancy. |
| <b>Skin Irritation:</b> | Based on its composition, not expected to be more than mildly irritating to rabbit skin.             |
| <b>Eye Irritation:</b>  | Moderately irritating to rabbit eye.   |

## 12. ECOLOGICAL INFORMATION

|                          |  |
|--------------------------|--|
| <b>Biodegradability:</b> | Based on its composition, expected to be readily biodegradable.                            |
| <b>Aquatic Toxicity:</b> | Based on its composition, not expected to cause significant toxicity to aquatic organisms. |

## 13. DISPOSAL CONSIDERATIONS

|                                  |  |
|----------------------------------|--|
| <b>Disposal of Waste Method:</b> | Federal, state and local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected. |
|----------------------------------|--|

## 14. TRANSPORT INFORMATION

### Land Transportation:

|                           |               |
|---------------------------|---------------|
| <i>DOT (Non-Bulk):</i>    |               |
| <b>UN/NA Number:</b>      | NONE          |
| <b>DOT Shipping Name:</b> | NOT REGULATED |
| <b>Hazard Class:</b>      | NONE          |

### *DOT (Bulk):*

|                           |               |
|---------------------------|---------------|
| <b>UN/NA Number:</b>      | NONE          |
| <b>DOT Shipping Name:</b> | NOT REGULATED |

### Air Transportation (IATA):

|                               |               |
|-------------------------------|---------------|
| <b>UN Number:</b>             | NONE          |
| <b>Proper Shipping Name:</b>  | NOT REGULATED |
| <b>Hazard Classification:</b> | NONE          |

### Sea Transportation (IMO):

|                               |               |
|-------------------------------|---------------|
| <b>UN/ID Number:</b>          | NONE          |
| <b>Proper Shipping Name:</b>  | NOT REGULATED |
| <b>Hazard Classification:</b> | NONE          |

### TDG (Canada):

|                              |               |
|------------------------------|---------------|
| <b>Proper Shipping Name:</b> | NOT REGULATED |
| <b>Hazard Class:</b>         | NONE          |

## 15. REGULATORY INFORMATION

|  |  |
|--|--|
| <b>TSCA Inventory List:</b>  | This product and/or its components is listed on TSCA.        |
| <b>California Proposition 65 Carcinogens &amp; Reproductive Toxicity (CRT) List:</b> | None of the components of this product is listed on CALPROP. |

**WHMIS Ingredient Disclosure List:**

One or more components of this product is listed on the WHMIS Ingredient Disclosure list.

**Canada DSL Inventory List:**

This product and/or its components is listed on DSL.

**Canada NDSL Inventory List:**

This product and/or its components is not listed on NDSL.

**Japan Inventory of Existing & New Chemical Substances (ENCS):**

This product and/or its components is listed on ENCS.

**Australia Inventory of Chemical Substances (AICS) List:**

This product and/or its components is listed on AICS.

**EU EINECS List:**

This product and/or its components is listed on EINECS.

**ELINCS:**

This product and/or its components is not listed on ELINCS.

**16. OTHER INFORMATION**

**Prepared By:**

Product Stewardship

**Legend:**

N.Av.= Not Available; N.Ap.= Not Applicable

**Important Note:**

For purposes of this MSDS, International Specialty Products, as responsible party, provides the information herein which is intended for use by persons who have or should obtain professional knowledge and experience in the subjects discussed. ISP's industrial products are used as materials in the production of products by industrial customers. ISP usually has only limited information about the products of its customers and their composition, methods of manufacture and use. Accordingly, ISP MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS OR RELIABILITY OF INFORMATION HEREIN EXCEPT THAT SUCH INFORMATION IS, TO THE BEST OF ISP'S KNOWLEDGE AND BELIEF, ACCURATE AS OF THE DATE INDICATED. ISP recommends that customers independently test and evaluate its products and their products and processes in which ISP products are used in order to decide their safety and effectiveness.

**\*\*\*END OF MSDS\*\*\***