



# Safety Data Sheet



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: BRIFISOL® 960  
Reference Number: IFS10028  
Date: May 21, 2015

### Use of substance or preparation

Product Use: Food Ingredient

Components of this product meet the Food Chemicals Codex.

### Company Information:

#### **ICL FOOD SPECIALTIES**

Division of ICL Performance Products  
622 Emerson Road - Suite 500  
St. Louis, Missouri 63141

Emergency telephone: In USA call CHEMTREC: 1 800 424 9300

Outside the USA, including ships at sea call CHEMTREC's international and maritime telephone number (collect calls accepted): +1 (703) 527-3887

In Canada call CANUTEC: 1 613 996 6666

General Information: In North America dial 855 ICL SPEC or 1-855-425-7732 (Worldwide)  
Outside North America 314-244-6169

## 2. HAZARDS IDENTIFICATION

### GHS



GHS05



GHS07

Danger

Eye Dam. 1 H318 Causes serious eye damage.  
Acute Tox. 4 H302 Harmful if swallowed.

H318 - Causes serious eye damage.  
H302 - Harmful if swallowed.

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P330 Rinse mouth.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Proprietary Blend

### **4. FIRST AID MEASURES**

#### **General**

Treatment is controlled removal of exposure and symptomatic and supportive care.

#### **Eye contact**

Rinse immediately with plenty of water. Get medical attention if irritation occurs and persists.

#### **Skin contact**

Rinse immediately with fresh water.

#### **Inhalation**

Supply fresh air in well ventilated area.

#### **Ingestion**

Rinse mouth well and drink plenty of water. Consult physician if symptoms persist.

### **5. FIRE FIGHTING MEASURES**

FLASH POINT: Not combustible

HAZARDOUS PRODUCTS OF COMBUSTION: Not applicable

EXTINGUISHING MEDIA: Not applicable

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

### **6. ACCIDENTAL RELEASE MEASURES**

#### **Personal precautions**

Avoid unnecessary exposure and remove all material from eyes, skin and clothing.

#### **Environmental precautions**

Small quantities: See below

Large quantities: As general precaution, avoid discharge into the environment (plant nutrient due to phosphate content).

#### **Methods for cleaning up**

In case of spill, sweep, scoop or vacuum and remove and place in containers. If possible, complete cleanup on a dry basis. After all practical dry clean up has been done, flush residual spill area with water.

Refer to Section 13 for disposal information and Sections 14 and 15 for reportable quantity information.

**7. HANDLING AND STORAGE****Handling**

Good industrial practice in housekeeping and personal hygiene should be followed. Avoid contact with eyes and skin. Wash hands immediately after handling. Remove material from clothing.

**Engineering measures**

Provide natural or mechanical ventilation to minimize exposure. The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment. Consult National Fire Protection Association (NFPA) Standard 91 for design of exhaust systems.

**Storage**

Product is stable under normal conditions of storage and handling.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Respiratory protection**

Avoid breathing dust. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded (see below). Consult the respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 CFR 1910.134.

**Hand/Skin protection**

Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice. Wearing protective gloves is recommended. Wash hands and contaminated skin thoroughly after handling.

**Eye protection**

Wear appropriate protective eye glasses or chemical safety goggles as described in the U.S. OSHA 29 CFR 1910.133.

**AIRBORNE EXPOSURE LIMITS:**

OSHA and ACGIH have not established specific exposure limits for this material. However, OSHA and ACGIH have established limits for particulates not otherwise classified (PNOC) which are the least stringent exposure limits applicable to dusts.

**OSHA PEL**

15 mg/m<sup>3</sup> (total dust) 8-hr TWA  
5 mg/m<sup>3</sup> (respirable) 8-hr TWA

**ACGIH TLV**

10 mg/m<sup>3</sup> (inhalable) 8-hr TWA  
3 mg/m<sup>3</sup> (respirable) 8-hr TWA

Components referred to herein may be regulated by specific Canadian provincial legislation. Please refer to exposure limits legislated for the province in which the substance will be used.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- a) Appearance: White crystalline powder
- b) Odor: None
- c) Odor threshold: Undetermined.
- d) pH: (as a 1% solution @ 25°C): 9.5 – 10.1
- e) Melting point/freezing point: Undetermined.
- f) Initial boiling point and boiling range: Undetermined.
- g) Flash point: Undetermined
- h) Evaporation rate: Undetermined.

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- i) Flammability (solid, gas) : Undetermined.
- j) Upper/lower flammability or explosive limits: Undetermined.
- k) Vapor pressure: Undetermined.
- l) Vapor density: Undetermined.
- m) Relative density: 600-800 kg/m<sup>3</sup>
- n) Solubility(ies) : Highly Soluble
- o) Partition coefficient: n-octanol/water: Undetermined.
- p) Auto-ignition temperature: Undetermined.
- q) Decomposition temperature: Undetermined.
- r) Viscosity: Undetermined.

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

### 10. STABILITY AND REACTIVITY

STABILITY: Product is stable under normal conditions of storage and handling.

MATERIALS TO AVOID: None known

HAZARDOUS DECOMPOSITION PRODUCTS: None known

HAZARDOUS POLYMERIZATION: Will not occur

### 11. TOXICOLOGICAL INFORMATION

ICL Food Specialties has not conducted toxicity studies with this material and no data was found in a reasonably extensive search of the literature.

### 12. ECOLOGICAL INFORMATION

#### Environmental Toxicity

ICL Food Specialties has not conducted environmental toxicity studies with this product.

#### Environmental Fate

ICL Food Specialties has not conducted biodegradation studies with this material, since when dissolved/hydrolyzed in water it yields completely mineralized materials.

### 13. DISPOSAL CONSIDERATIONS

This material when discarded is not a hazardous waste as that term is defined by the Resource, Conservation and Recovery Act (RCRA), 40 CFR 261. Dry material may be landfilled or recycled in accordance with local, state and federal regulations. Consult your attorney or appropriate regulatory officials for information on such disposal.

### 14. TRANSPORT INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

|              |                                  |
|--------------|----------------------------------|
| IMDG/UN      | Not regulated for transportation |
| ICAO/IATA    | Not regulated for transportation |
| RID/ADR      | Not regulated for transportation |
| Canadian TDG | Not regulated for transportation |
| U.S. DOT     | Not regulated for transportation |

### 15. REGULATORY INFORMATION

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TSCA Inventory: Listed

DSL Inventory: Listed

EC: Listed

WHMIS Classification: D2(B) Materials causing other toxic effects

**SARA Hazard Notification**

Hazard Categories Under Title III Rules (40 CFR 370): Not Applicable

Section 302 Extremely Hazardous Substances: Not Applicable

Section 313 Toxic Chemical(s): Not Applicable

CERCLA Reportable Quantity: Not applicable

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulation and the MSDS contains all the information required by the Canadian Controlled Products Regulation.

Refer to Section 11 for OSHA/HPA Hazardous Chemical(s) and Section 13 for RCRA classification.

**16. OTHER INFORMATION**

|                       | Health | Fire | Reactivity | Additional Information  |
|-----------------------|--------|------|------------|---|
| Suggested NFPA Rating | 3      | 0    | 0          |   |
| Suggested HMIS Rating | 3      | 0    | 0          | J<br>J = Splash goggles, gloves, synthetic apron, dust & vapor respirator |

Reason for revision: Sections 1, 2, and 9.

Supersedes MSDS dated: April 5, 2013

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