



Safety Data Sheet



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: BRIFISOL® K1000
Reference Number: IFS10030
Date: May 14, 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



GHS07

Warning

Eye Irrit. 2 H319 Causes serious eye irritation.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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

P337+P313 If eye irritation persists: Get medical advice/attention.

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/m³ (total dust) 8-hr TWA

5 mg/m³ (respirable) 8-hr TWA

ACGIH TLV

10 mg/m³ (inhalable) 8-hr TWA

3 mg/m³ (respirable) 8-hr TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

- a) Appearance: White crystalline powder
- b) Odor: None
- c) Odor threshold: Undetermined.
- d) pH: 8.8 ± 0.3 (1% solution @ 25°C)
- e) Melting point/freezing point: Undetermined.
- f) Initial boiling point and boiling range: Undetermined.
- g) Flash point: Undetermined
- h) Evaporation rate: Undetermined.
- i) Flammability (solid, gas) : Undetermined.
- j) Upper/lower flammability or explosive limits: Undetermined.
- k) Vapor pressure: Undetermined.
- l) Vapor density: Undetermined.
- m) Relative density: 1000 kg/m³
- n) Solubility(ies) : Readily Soluble
- o) Partition coefficient: n-octanol/water: Undetermined.
- p) Auto-ignition temperature: Undetermined.
- q) Decomposition temperature: Undetermined.
- r) Specific Gravity: Undetermined.
- s) 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,

ICL Food Specialties Safety Data Sheet – North America

Material: BRIFISOL® K1000

Page 5 of 5

Reference No.: IFS10030

May 14, 2015

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

TSCA Inventory:	Listed
DSL Inventory:	Listed
EC:	Listed

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

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	1	0	0	
Suggested HMIS Rating	1	0	0	F

Reason for revision: Sections 2, 3, 9 Supersedes MSDS dated: April 5, 2013

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