



SAFETY DATA SHEET (SDS)

*** Section 1: Identification ***

Product Name : SBC Helix OPUS
Synonyms: None Known
Product Use: Liquid Fertilizer
Manufacturer/Supplier: Soil Basics Corporation
Address: 17014 Avenue 296, Visalia, CA 93292
General Information: (559) 651-2772
Emergency Phone Number: (888) 769-9266

*** Section 2: Hazard Identification ***

Signal Word: **Warning**
Hazard Statement
Skin Irritation: May cause mild irritation
Eye Irritation: May cause injury
Ingestion: Causes irritation to the digestive and respiratory tract



*** Section 3: Composition/Information on Ingredients ***

Component	CAS Number	Weight %
Blend of plant nutrients derived from fish hydrolysate protein (CAS No. 91079-91-3) sulfate of potash (CAS No. 7778-8-5) and phosphoric acid 75% (CAS No. 7664-38-2)	Proprietary	100
GUARANTEED ANALYSIS:		
Total Fish Protein		0.4
Total Soluble Potash (K2O)		4.0
Phosphoric Acid (P2O5)		0.3

*** Section 4: First Aid Measures ***

Emergency First Aid
Inhalation: Cannot be inhaled.
Skin: Mild irritation. Rinse skin immediately with water.
Eye: Wash with tempered water for 15 minutes. Do not rub eyes.
Ingestion: Causes irritation to the digestive and respiratory tract. Drink plenty of water or fruit juice. Call doctor immediately. Do not induce vomiting.

*** Section 5: Fire Fighting Measures ***

Suitable extinguishing media: No specific firefighting procedures noted
Specific hazards arising from the chemical: None
Special protective equipment and precautions for fire fighters: No specific recommendation made, but respiratory protection may be required under exceptional circumstances when excessive air contamination exists.

*** Section 6: Accidental Release Measures ***

Personal precautions, protective equipment and emergency procedures: Before using, repairing or providing maintenance of contaminated equipment, drain and rinse with water. No unusual requirements for hygienic practices.



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Environmental Precautions: Do not contaminate the waterways.
Methods and materials for containment and cleaning up: Spill response: confine the spill into a dike area or sump if possible. Recover as much of the liquid as possible. Do not allow run-off into sewer systems.

*** Section 7: Handling and Storage ***

Precautions for safe handling: Refer to Section 8 for personal protective equipment.
Conditions for safe storage, including any incompatibilities: Ambient storage temperature, unlimited shelf life. In handling and storage, keep separate from acids.

*** Section 8: Exposure Controls/Personal Protection ***

Control parameters: None
Engineering Controls: Not applicable
Individual protection measures, such as personal protective equipment: No respiratory protection required. Use suitable protective rubber or plastic gloves to avoid prolonged or repeated skin contact. Goggles or face shield for eye protection. Emergency eye wash and safety shower is recommended for other protective equipment. No ventilation methods required.

*** Section 9: Physical and Chemical Properties ***

pH:	3.8 – 4.0	Color:	Clear / Golden
Odor:	Mild Fish	Odor Threshold:	None
Melting point/freezing point:	N/A	Initial boiling point and boiling range:	N/A
Flash point:	N/A	Evaporation rate:	N/A
Flammibility (solid, gas):	Not determined	Upper/lower flammability or explosive limits:	Not determined
Vapor pressure:	N/A	Vapor density:	N/A
Specific Gravity:	1.08	Solubility(ies):	N/A
Relative density:	N/A	Auto-ignition temperature:	Not combustible
Partition coefficient n-octanol/water:	N/A	Viscosity:	N/A
Decomposition temperature:	None		

*** Section 10: Stability and Reactivity ***

Reactivity: Unknown
Chemical stability: Stable under normal conditions
Possibility or hazardous reactions: No dangerous reactions known
Conditions to avoid (e.g. static discharge, shock or vibration): Excessive heat or contact with acids
Incompatible materials: Acids and heat
Hazardous decomposition products: None

*** Section 11: Toxicological Information ***

Information on the likely routes of exposure: Body contact is most likely route.
Inhalation: None
Ingestion: None
Skin Contact: Could be a route
Eye contact: Could be a route
Symptoms related to characteristics of: No symptoms aggravated by exposure
Physical: None
Chemical: None
Toxicological: None
Delayed effects: None determined
Immediate effects: None determined
Chronic effects from short: None determined
Chronic effects from long: None determined



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term exposure:
Numerical measures of toxicity: None determined

term exposure:

*** Section 12: Ecological Information ***

Ecotoxicity (aquatic and terrestrial, where available): No further information available
Persistence and degradability: No further information available
Bioaccumulative potential: No further information available
Mobility in the soil: No further information available
Other adverse effects: Hazardous for water; keep out of waterways.

*** Section 13: Disposal Information ***

Waste disposal methods: Reclaim and reuse as much as possible. Do not allow material to reach sewer system.
Dispose in accordance with local, state and federal regulations.

*** Section 14: Transport Information ***

UN proper shipping name: Non-regulated material
UN Number: Non-regulated material
Transport Hazard Class: Not a DOT hazardous material
Packing group: Not applicable
Environmental hazards: No information found
Transport in Bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Trucks, tanks, mini-bulks, drums, buckets
Special precautions which a user needs to be aware of, or needs to comply with: None determined at this time

*** Section 15: Regulatory Information ***

Safety, health and environmental regulations: No additional regulatory information applicable. Refer to sections 11, 13, 14

*** Section 16: Other Information ***

Emergency Overview: Product is a clear, golden aqueous solution. Product is irritating to the eyes. Inhalation of mists and vapors should be avoided, as it may be irritating to the respiratory system.
Miscellaneous Information: Use with caution and according to specifications on manufacturer's label. SDS may not fully reflect manufacturer's recommendations. Containers will contain residues of the product. Do not re-use containers for any purpose other than transporting, storing, or mixing of fertilizers. The information accumulated herein is believed to be accurate but is not warranted to be whether origination with the company or not. Recipients are advised to confirm in advance of need that they information is current, applicable, and suitable to their circumstances.
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