**MATERIAL SAFETY DATA SHEET (MSDS)**



**\*\*\* Section 1 – IDENTIFICATION\*\*\***

Product name SBC Helix Enigma

Synonyms: None Known

Product Use: Liquid Fertilizing

**Manufacturer:** Soil Basics Corporation (559) 651-2772

17014 Avenue 296

Visalia, CA 93292

**\*\*\* Section 2 – HAZARD IDENTIFICATIONS \*\*\***

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/INFORAMTION ON INGREDIENTS \*\*\***

Component CAS Number Weight

Proprietary 100%

**\*\*\* Section 4 – FIRST-AID MESAURES\*\*\***

Effects of Exposure: Inhalation: Cannot be inhaled

Eyes: May cause injury

Ingestion: Causes irritation to the digestive and respiratory tract

Skin: Mild irritation

EMERGENCY FIRST AID: Inhalation: Cannot be inhaled

Eyes: Wash with tempered water for 15 minutes

Ingestion Drink plenty of water or fruit juice. Obtain the services of a

physician immediately.

Skin: Wash with water

**\*\*\* Section 5- FIRE FIGHTING MESAURES\*\*\***

Suitable extinguishing media: No specific firefighting procedures noted

Specific hazards arising from the chemical: None

Special Protective equipment and No specific recommendations made, but respiratory protection may be required

precautions for firefighters: under exceptional circumstances when excessive air contamination exists.

**\*\*\* Section 6 – ACCIDENTAL RELEASE MESAURES\*\*\***

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| 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. |
| Environmental Precautions: | Do not contaminate the waterways. |

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| 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 & STORAGE USE\*\*\***

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| 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. |

Cleaning Equipment: Before using, repairing or providing maintenance of contaminated equipment, drain and

rinse with water.

**\*\*\* Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION\*\*\***

Respiratory Protection: Not required

Protective Gloves: Use suitable protective rubber or plastic gloves to avoid prolonged or repeated skin contact.

Eye Protection: Goggles, or goggles and face shield.

Ventilation Recommended: Not required

Other protective equipment: Emergency eye wash and safety shower

**\*\*\* Section 9 – PHYSICAL & CHEMICAL PROPERTIES\*\*\***

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| pH: | 7.0 | Color: | Dark |
| Odor: | Slight | Odor Threshold: | None |
| Melting point/freezing point: | N/A | Initial boiling point and boiling  range: | N/A |
| Specific Gravity: | 1.01 | 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 |
| Relative density: | 8.34 | Solubility(ies): | N/A |
| Partition coefficient n-octanol/water: | N/A | Auto-ignition temperature: | Not combustible |
| Decomposition temperature: | None | Viscosity: | N/A |

**\*\*\* Section 10 – STABILITY & REACTIVITY\*\*\***

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| --- | --- |
| 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\*\*\***

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| 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: | | No symptoms aggravated by exposure | |
| Physical: | None | Chemical: | None |
| Toxicological: | None | Delayed effects: | None determined |
| Immediate effects: | None determined |  |  |
| Chronic effects from short term exposure: | None determined | Chronic effects from long term exposure: | None determined |

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| **\*\*\* Section 12: ECOLOGICAL INFORMATION \*\*\*** | | | | |
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| 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: ECOLOGICAL INFORMATION\*\*\***

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| 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. |

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| **\*\*\* Section 14: Transport Information \*\*\*** | | | | |
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| 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 | | |

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**\*\*\*Section 16: OTHER INFORMATION\*\*\***

Emergency Overview: Product is a dark 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. MSDS 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 the information is current, applicable, and suitable to their circumstances.

Issue Date: March 16, 2023