

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 06/20/2016

Reviewed on 06/20/2016

* 1 Identification

- **Product Identifier**
- **Trade name: EASY LIFE BLENDS FOLIAR**
- **Relevant identified uses of the substance or mixture and uses advised against:**
No further relevant information
- **Product Description** Dry, Soluble Powdered Fertilizer Blend
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
Green Life, LLC/DBA: KEY TO LIFE
10900 W. 120th Ave, Unit C
Broomfield, CO 80021
855-695-3986
www.keytolifegarden.com
- **Emergency telephone number:** 970-818-6445

2 Hazard(s) Identification

- **Classification of the substance or mixture:**



GHS08 Health hazard

Carc. 1A H350 May cause cancer.

STOT RE 1 H372-H373 Causes damage to organs through prolonged or repeated exposure. May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements:**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



GHS07 GHS08

- **Signal word:** Danger

- **Hazard-determining components of labeling:**

Trade Secret

- **Hazard statements:**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H350 May cause cancer.

H372-H373 Causes damage to organs through prolonged or repeated exposure. May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

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· Precautionary statements:

- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P280 Wear protective gloves.
- P280 Wear eye protection / face protection.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P314 Get medical advice/attention if you feel unwell.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Unknown acute toxicity:

10 % of the mixture consists of component(s) of unknown toxicity.

· Hazard description: This product may contain micro-organisms

· Classification system:

· NFPA ratings (scale 0 - 4)



· HMIS-ratings (scale 0 - 4)



· Hazard(s) not otherwise classified (HNOC): None known

*** 3 Composition/Information on Ingredients**

· Non-hazardous components:

	Kelp (Ascophyllum nodosum)
107-95-9	β-alanine
	Fulvic Acids derived from Peat

· Chemical characterization: Mixtures

· Description: Mixture of substances listed below with non-hazardous additions.

· Dangerous Components:

CAS: 68514-28-3	Humalite (sub-bituminous coal) ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335
RTECS: VV 7330000	Trade Secret ⚠ Carc. 1A, H350; STOT RE 1, H372; ⚠ Acute Tox. 4, H332; STOT SE 3, H335; Eye Irrit. 2B, H320

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· **Additional information:**

Trade Secret made in accordance with paragraph (i) of 1910.1200 of 29 CF 1910.1200, the OSHA Communication Standard

4 First-Aid Measures

· **Description of first aid measures:**

· **General information:**

Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.

· **After inhalation:**

In case of unconsciousness place patient stably in side position for transportation.

Remove promptly to fresh air. Seek medical attention if coughing or difficulty breathing persists.

· **After skin contact:**

Wash contaminated skin with soap and water. Seek medical attention if swelling, redness itching or irritation persists.

· **After eye contact:**

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** If swallowed and symptoms occur, consult a doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

5 Fire-Fighting Measures

· **Extinguishing media:**

· **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Special hazards arising from the substance or mixture:** No further relevant information available.

· **Advice for firefighters:**

· **Protective equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

· **Additional information:**

Dusts may be an explosion hazard if mixed with air at critical proportions in the presence of an ignition source.

6 Accidental Release Measures

· **Personal precautions, protective equipment and emergency procedures:** Not required.

· **Environmental precautions:** No special measures required.

· **Methods and material for containment and cleaning up:**

Dispose contaminated material as waste according to section 13.

· **Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and Storage

· **Handling**

· **Precautions for safe handling:**

Avoid dust release during storage and handling, by dampening as necessary. Handle away from oxidizing agents (Class 5 materials).

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- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities:**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Store below 80 degrees Celsius and cover to limit dust release. Not to be stored with oxidizing agents.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
- **Components with occupational exposure limits:**
The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituent has no known exposure limits.

Trade Secret

PEL	see Quartz listing
REL	Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m ³ *as respirable fraction

- **Additional information:**
The lists that were valid during the creation of this SDS were used as basis.
The dust and mist from this product are classified as a "Hazardous Substance Non-Dangerous Goods".
Recommend TWA 2 mg/m³ (respirable dust) based on NOHSCA limits for related dust materials and carbon black.
- **Exposure controls:**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing and wash before reuse.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
If engineering controls are not practical, then respiratory devices may need to be worn. Avoid breathing dust released from the product. Wear a P2 respirator suitable for particulate and conforming with OSHA standards when exposed to the dust.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Select glove material based on penetration times, rates of diffusion and degradation.
Avoid chronic skin contact by the use of gloves.

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· **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material:**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:**



Tightly sealed goggles

Avoid eye contact by wearing safety glasses with side shields or a face shield (AS/NZS 1336) whenever there is a risk of dust or product getting into the eyes. Potable water and/or eye-wash facilities should be provided in all areas where product is handled.

· **Body protection:** Wear full length clothing.

9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Powder

Color: Black

· **Odor:** Not Distinctive

· **Odor threshold:** Not determined.

· **pH-value @ 20 °C (68 °F):** 8.5

· **Change in condition**

Melting point/Melting range: Not determined.

Boiling point/Boiling range: Undetermined.

· **Flash point:** None

· **Flammability (solid, gaseous):** Not determined.

· **Ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not self-igniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

· **Vapor pressure:** Not applicable.

· **Density @ 20 °C (68 °F):** 8.345 g/cm³ (69.639 lbs/gal)

· **Relative density:** Not determined.

· **Vapor density:** Not applicable.

· **Evaporation rate:** Not applicable.

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- **Solubility in / Miscibility with:**
 - Water:** Soluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not applicable.
 - Kinematic:** Not applicable.
- **Solvent content:**
 - Organic solvents:** 0.0 %
 - Solids content:** 11.0 %
- **Other information:** No further relevant information available.

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** Oxidizing Agents
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**

LD/LC50 values that are relevant for classification:		
Trade Secret		
Oral	LD50	> 22500 mg/kg (rat)
Inhalative	LC50/96 hours	1033 mg/l (Trout)

- **Primary irritant effect:**
- **On the skin:**
Irritant to skin and mucous membranes.
Avoid chronic skin contact by the use of gloves and full length clothing.
- **On the eye:**
Irritating effect.
Avoid eye contact by wearing safety glasses with side shields or a face shield whenever there is a risk of dust or product getting into the eyes. Potable water and/or eye wash facilities should be provided in all areas where the product is handled.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
- **Carcinogenic categories:**
- **IARC (International Agency for Research on Cancer):**
Group 1 - Carcinogenic to humans
Group 2A - Probably carcinogenic to humans
Group 2B - Possibly carcinogenic to humans
Group 3 - Not classifiable as to its carcinogenicity to humans
Group 4 - Probably not carcinogenic to humans

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· NTP (National Toxicology Program):	
Trade Secret	K
· OSHA-Ca (Occupational Safety & Health Administration):	
None of the ingredients are listed.	

12 Ecological Information

· Toxicity:
· Aquatic toxicity:
Trade Secret
EC50 218 mg/l (Green algae)
· Persistence and degradability: No further relevant information available.
· Behavior in environmental systems:
· Bioaccumulative potential: No further relevant information available.
· Mobility in soil: No further relevant information available.
· Additional ecological information:
· General notes: Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.
· Results of PBT and vPvB assessment:
· PBT: Not applicable.
· vPvB: Not applicable.
· Other adverse effects: No further relevant information available.

13 Disposal Considerations

- Waste treatment methods:**
- Recommendation:**
No special disposal requirements; dispose in accordance with local waste and environmental authority requirements.
- Uncleaned packagings**
- Recommendation:** Disposal must be made according to official regulations.
- Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport Information

· UN-Number:	Non-Regulated Material
· DOT, ADR, ADN, IMDG, IATA	Non-Regulated Material
· UN proper shipping name:	Non-Regulated Material
· DOT, ADR, ADN, IMDG, IATA	Non-Regulated Material
· Transport hazard class(es):	
· DOT, ADR, ADN, IMDG, IATA	Non-Regulated Material
· Class:	Non-Regulated Material
· Packing group:	Non-Regulated Material
· DOT, ADR, IMDG, IATA	Non-Regulated Material
· Environmental hazards:	Not applicable.
· Special precautions for user:	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.



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· **UN "Model Regulation":** Non-Regulated Material

15 Regulatory Information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
 · **SARA (Superfund Amendments and Reauthorization):**

· **Section 355 (extremely hazardous substances):**
 None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**
 None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act):**

107-95-9	β-alanine
68514-28-3	Humalite (sub-bituminous coal)
	Trade Secret

· **California Proposition 65:**

· **Chemicals known to cause cancer:**
 Trade Secret

· **Chemicals known to cause reproductive toxicity for females:**
 None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**
 None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**
 None of the ingredients are listed.

· **New Jersey Right-to-Know List:**
 Trade Secret

· **New Jersey Special Hazardous Substance List:**
 Trade Secret

CA

· **Pennsylvania Right-to-Know List:**
 Trade Secret

· **Pennsylvania Special Hazardous Substance List:**
 None of the ingredients are listed.

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**
 None of the ingredients are listed.

· **TLV (Threshold Limit Value established by ACGIH):**
 Trade Secret

A2

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**
 Trade Secret

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

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· **Hazard pictograms:**



GHS07 GHS08

· **Signal word:** Danger

· **Hazard-determining components of labeling:**

Trade Secret

· **Hazard statements:**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H350 May cause cancer.

H372-H373 Causes damage to organs through prolonged or repeated exposure. May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

· **Precautionary statements:**

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P280 Wear protective gloves.

P280 Wear eye protection / face protection.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

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

P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

P308+P313 IF exposed or concerned: Get medical advice/attention.

P332+P313 If skin irritation occurs: Get medical advice/attention.

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

P314 Get medical advice/attention if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of water.

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Date of preparation / last revision:** 06/20/2016 / 3

· **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation



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IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
Carc. 1A: Carcinogenicity – Category 1A
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

*** Data compared to the previous version altered.**

SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106