

Superthrive® - Safety Data Sheet

Section 1: Identification

Product Identifier: Superthrive®

Recommended Use: Superthrive is a concentrated non-toxic solution for plants to be mixed with water and used expressly for horticultural and agricultural purposes.

Manufacturer: Green Garden Products, LLC
202 S Washington St, Norton, MA 02766
info@superthrive.com

Emergency Phone (508) 285-5800

Section 2: Hazard(s) Identification

Classification of Mixture

| | |
|-----------------|-------------|
| Skin Irritation | Category 2 |
| Eye Irritation | Category 2B |

Label Elements including precautionary statements

Signal Word: WARNING!
Symbol Name: Exclamation Mark
Hazard Statement: Causes Skin and Eye Irritation

Precautionary Statements - General

Keep out of reach of children

Precautionary Statements - Prevention

Wash hands thoroughly after handling.
Wear protective gloves

Precautionary Statements - Response

SKIN IF ON SKIN: Wash with plenty of water
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.

EYES IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do.
Continue rinsing.
If eye irritation persists: Get medical attention/advice.

Precautionary Statements - Storage

none

Precautionary Statements - Disposal

none

Other Hazards not applicable

Section 3: Composition/Information on Ingredients

Reportable Hazardous Substances

| Name | CAS # | Concentration |
|-------------------|---------|---------------|
| Isopropyl Alcohol | 67-63-0 | 1.80% |
| Acetic Acid | 64-19-7 | 2.00% |

Section 4: First-Aid Measures

First Aid Measures

| | |
|--------------|--|
| Skin Contact | Wash with plenty of water |
| Eye Contact | Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. |
| Ingestion: | Drink fluids to flush. DO NOT INDUCE VOMITING. |
| Inhalation: | N/A |

If any irritation persists, seek medical attention.

Most Important Symptoms

| | |
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| Skin Contact | After skin contact, a skin irritation may occur (redness). |
| Eye Contact | After eye contact, an eye irritation may occur (redness). |

Indication of any immediate medical attention and special treatment needed

| | |
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| Notes to Physician | Treat Symptomatically |
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Section 5: Fire-fighting Measures

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| Extinguishing Media: | <u>Appropriate:</u> CO ₂ , dry chemical, or foam. Water can be used to cool and protect exposed material. <u>Inappropriate:</u> not determined |
|----------------------|--|

Special Fire Fighting Procedures: N/A

Unusual Fire and Explosion

Hazards: N/A

Section 6: Accidental Release Measures

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|---|---|
| Personal precautions, protective equipment and emergency procedures | Wash hands thoroughly after handling. Wear eye protection and protective gloves if necessary. |
| Environmental Precautions | Dilute with water and wash off pavement. Allow to drain into soil. |
| Methods and Materials for containment and clean up | Pick up free liquid and keep in suitable, closed containers for recycle and/or disposal. Residual liquid can be absorbed on inert material. |

Section 7: Handling and Storage

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| Precautions for Safe Handling: | Handle Carefully. Wash your hands thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. |
|--------------------------------|---|

Conditions for Safe Storage Store in the original container away from sunlight.

Section 8: Exposure Controls / Personal Protection

Control Parameters

Exposure Guidelines

| Component | PEL |
|-------------------|-----------------------|
| Isopropyl Alcohol | 980 mg/m ³ |
| Acetic Acid | 25 mg/m ³ |

Appropriate Engineering Controls N/A

Individual Protective Measures

| | |
|-----------------------|---|
| Eye/Face Protection: | None required for consumer use. If splashes are likely to occur: Use safety glasses. |
| Skin/Body Protection: | Wear suitable clothing. Gloves may be worn by those with sensitive skin. |
| Respiratory: | Not Applicable |
| Hygiene: | Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Wash contaminated clothes before reuse. |

Section 9: Physical and Chemical Properties

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|--|---|
| Appearance: | Initial Boiling Point & Boiling Range - Not Available |
| Physical State - liquid | Upper/Lower flammability or explosive limits - Not Applicable |
| Color - amber | Vapor Pressure - Not Available |
| Odor - earthy | Vapor Density - Not Available |
| Odor Threshold: Not Applicable | Relative density - Not Available |
| pH - 3.0 | Solubility - water soluble |
| Melting point / Freezing Point - Not Available | Partition coefficient: n-octanol/water - Not Available |
| Flammability - Non Flammable | Auto-ignition temperature - Not Available |
| Flash Point - > 200 | Decomposition Temperature - Not Available |
| Evaporation Rate - Not Available | Viscosity - Not Available |

Section 10: Stability and Reactivity

Chemical Stability - Stable
Possibility of Hazardous Reactions - None
Conditions to Avoid - None Known
Incompatible Materials - None Known
Hazardous Decomposition Products - None

Section 11: Toxicology Information

Information on Toxicological Effects

| | | |
|-------------------------------|--|--|
| Acute Toxicity | <u>Isopropyl Alcohol:</u> LD50 (rat, oral) = 5045 mg/Kg LC50 (rat, inhalation), 8 h = 16000 LD50 (skin, rabbit) = 12800 mg/Kg | <u>Acetic Acid :</u> LD50 (rat, oral) = 3310 mg/Kg LDLo (rat, inhalation), 4 h = 16000 LD50 (skin, rabbit) = 1060 uL/Kg |
| Skin corrosion/irritation | Irritant for skin. | |
| Serious eye damage/irritation | Irritant for the eyes. | |
| Sensitization | Not available | |
| STOT-repeated exposure | Not available | |
| Germ cell mutagenicity | Not available | |
| Carcinogenicity | Not available | |
| Reproductive toxicity | Not available | |
| STOT-single exposure | Not available | |
| Aspiration hazard | Not available | |

Section 12: Ecological information

| | |
|--------------------------------------|---------------------------------|
| Toxicity | LC50 > 750 mg/L = Non Hazardous |
| Persistence and degradability | Not available |
| Bioaccumulation potential | Not available |
| Mobility in the soil | Not available |
| Other Adverse Effects | Not available |

Section 13: Disposal considerations

Waste Treatment Methods Waste residues are biodegradable and safe for soils.
Dilute with water to discard.

Container Handling and Disposal: Rinse containers with water and recycle.

Section 14: Transport Information

| | |
|---|---------------|
| UN Number | Not Regulated |
| UN Proper Shipping Name | Not Regulated |
| Transport Hazard class | Not Regulated |
| Environmental Hazards | Not Regulated |
| Marine Pollutant | No |
| Special Precautions | None |
| Transport in Bulk (according to Annex II of MARPOL 73/78 and the IBC Code) - Not Applicable | |

Section 15: Regulatory Information

None

Section 16: Other Information, including date of preparation or last revision

Created: Rev 8/2019

NOTICE FROM PLANTATION PRODUCTS

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