

Base A

Canopy Crop Management

Safety Data Sheet

Revision date: 14 July 2022
Print date: 14 July 2022
Version: Rev 1



1. Product and Company Identification

1.1 Product identifiers

Product Name	Base A
Producer	Canopy Crop Management
Product Number	No data available
CAS-No.	Mixture

1.2 Identified uses of the product and uses advised against

Identified Uses	Agricultural
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1.3 Details of the chemical supplier

Company	Canopy Crop Management
Address	5619 DTC Parkway Suite 900 Greenwood Village, CO 80111
Telephone:	(415) 460-7295

1.4 Emergency phone number

Emergency phone number	(415) 460-7295
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2. Hazards Identification

2.1 Classification of the substance or mixture according to GHS

GHS class	Skin corrosion, Category 2 Serious eye damage, Category 2A Specific target organ toxicity - single exposure, Category 3 (Respiratory system) Acute toxicity, (Oral), Category 4
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2.2 GHS Label elements, including precautionary statements

GHS pictograms



Signal word	Danger
Hazard statements	H302 – Harmful if swallowed. H315 – Causes skin irritation. H319 – Causes serious eye irritation. H335 – May cause respiratory irritation.

Precautionary statements	P261 – Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P264 - Wash skin thoroughly after handling. P270 – Do not eat, drink, or smoke when using this product. P271 – Wear protective gloves/protective clothing/ eye protection. P273 – Avoid release to the environment. P280 - Wear eye protection/ face protection. P301 + P312 + P330 – IF SWALLOWED: Call a poison center/doctor if you feel unwell. Rinse mouth. P303 + P361 + P353 – IF ON SKIN: Remove/take off immediately all contaminate clothing. Rinse skin with plenty of water. Call a poison center/doctor if you feel unwell.
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P304 + P340 + P311 – IF INHALED. Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor.

P305 + P351 + P338 + P314 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Get medical attention if you feel unwell.

P363 – Wash contaminated clothing before reuse.

P403 + P233 + P235 – Store in a well-ventilated place. Keep container tightly closed. Keep cool.

P405 – Store locked up.

P501 – Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - None.

3. Composition/Information on Ingredients

3.1 Product mixture

Synonyms	No data available
Formula	No data available, Mixture
Molecular wt	No data available
CAS-No.	Mixture

Chemical Name	CAS-No.	Ingredient Percent
Water	7732-18-5	Proprietary
Liquid Calcium Nitrate	Mixture	Proprietary
Potassium Nitrate	7757-79-1	Proprietary
Ammonium Nitrate	6484-52-2	Proprietary
Magnesium Nitrate	13446-18-9	Proprietary
Iron 6% EDDHA	Mixture	Proprietary
Iron 11% DTPA	Mixture	Proprietary
Manganese 13% EDTA	Mixture	Proprietary
Zinc EDTA 14%	Mixture	Proprietary
Copper EDTA 14%	Mixture	Proprietary
Solubor	Mixture	Proprietary
Sodium Molybdate 39%	Mixture	Proprietary
PX2	Mixture	Proprietary

Remarks: There are no additional hazardous ingredients greater than or equal to 1.0 wt% concentration or carcinogenic ingredients greater than or equal to 0.1 wt% concentration.

4. First Aid Measures

4.1 Description of first aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
Skin contact	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse. Get medical advice/attention.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical advice/attention.
Inhalation	Allow victim to breathe fresh air. Allow the victim to rest. Get medical advice/attention.
Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects The most important known symptoms and effects are described in the labelling (see section 2.2) and in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Other first aid No data available

5. Fire Fighting Measures**5.1 Suitable (and unsuitable) extinguishing media**

Suitable extinguishing media Use alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Special hazards Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition. Use in ventilated areas only.

5.3 Advice for firefighters

Protective equipment Wear full protective clothing and self-contained breathing apparatus with full facepiece operated in the pressure-demand or other positive pressure mode.

6. Accidental Release Measures**6.1 Personal precautions, protective equipment, and emergency procedures**

Personal precautions Avoid contact with skin and eyes. Avoid breathing vapors, mist or dust. Ensure adequate ventilation in areas where dust or vapors can accumulate. Remove all sources of ignition and evacuate personnel to safe areas. For personal protection see section 8.

6.2 Environmental precautions

Environmental precautions In case of large spills, dike spill to prevent runoff into sewers and drains. Recover as much of the material as possible. Prevent further leakage if safe to do so.

6.3 Methods and materials for containment and cleaning up

Methods for clean up Take up with sand or other non-combustible absorbent material and place into containers for later disposal. Dispose of via a licensed waste disposal contractor. Following product clean up, flush area with water.

6.4 References to other sections

Other references For disposal see section 13.

7. Handling and Storage**7.1 General hygiene considerations**

General hygiene Wash hands after use. Avoid contact with skin and eyes. Avoid inhalation of vapor or dust. In case of large quantities of vapor or mist, use local exhaust or general dilution ventilation to control exposure and dust within applicable limits. Keep away from high temperatures and sources of ignition. For precautions see section 2.2.

7.2 Precautions for safe handling

Safe handling precautions Keep container tightly closed in a dry and well-ventilated place. Keep away from any source of heat or ignition. Keep away from incompatible substances.

7.3 Conditions for safe storage, including any incompatibilities

Other storage conditions Store product in a dry environment, away from strong bases and acids.

8. Exposure Controls/Personal Protection**8.1 Control and exposure limits recommended by the chemical manufacturer**

OSHA standards Not available - not determined
ACGIH TLV Not available - not determined
NIOSH recommendations Not available - not determined

8.2 Appropriate engineering controls

Engineering controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of day. Use adequate ventilation where dust forms to keep concentration under exposure control limits. Keep away from high temperatures and sources of ignition.

8.3 Individual protection measures, such as personal protective equipment

Respiratory protection Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to

	engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Eye/face protection	Safety glasses with side-shields conforming to EN166 are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Hand protection	Handle with chemical resistant gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body protection	Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a) Appearance	Dark red to brown liquid
b) Odor	No odor
c) Odor threshold	No data available
d) pH	No data available
e) Melting/freezing point	No data available
f) Boiling point	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	Not flammable
j) Upper/lower flammability or explosive limits	Upper (UEL): No data available Lower (LEL): No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	No data available
n) Water solubility	Soluble
o) Partition coefficient octanol/water	No data available
p) Auto-ignition temp	No data available
q) Decomposition temp	No data available
r) Viscosity	No data available

10. Stability and Reactivity

10.1 Reactivity

Reactivity	No data available
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10.2 Chemical stability

Chemical stability	Stable under ordinary conditions of use and storage.
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10.3 Possibility of hazardous reactions

Hazardous reactions	No data available
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10.4 Conditions to avoid

Conditions to avoid	Do not allow product to evaporate to dryness. Product residue may act as an oxidizer and support combustion. Avoid contact with heat, flames and sparks; ignitions sources and incompatible chemicals.
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10.5 Incompatible materials

Incompatible materials	Strong acids and strong bases. Residue would be incompatible with combustible materials.
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10.6 Hazardous decomposition products

Hazardous products	Nitrogen, carbon and metal oxides. In the event of fire, see section 5.
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11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity	No data available
Acute intravenous toxicity	No data available
Acute dermal toxicity	No data available
Acute inhalation toxicity	No data available

Skin corrosion/irritation

Skin corrosion irritation	Causes skin irritation
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Serious eye damage/eye irritation

Eye damage/eye irritation	Causes serious eye irritation
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Respiratory or skin sensitization

Respiratory sensitizer	May cause respiratory irritation
Skin sensitizer	No data available

Germ cell mutagenicity

Mutagenicity	No data available
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Carcinogenicity

Carcinogenicity	No data available
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Suspected cancer agent

ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

Reproductive toxicity

Reproductive toxicity	No data available
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Aspiration hazard

Aspiration hazard	No data available
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12. Ecological Information

12.1 Ecotoxicity (aquatic and terrestrial)

Ecotoxicity	No data available
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12.2 Persistence and degradability

Degradability	No data available
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12.3 Bioaccumulation potential

Bioaccumulation	No data available
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12.4 Mobility in soil

Mobility in soil	No data available
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12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment	Not available as chemical safety assessment not required/not conducted.
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13. Disposal Considerations

13.1 Waste treatment methods

Waste treatment disposal	Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.
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14. Transport Information

DOT

Not regulated.

TDG

Not regulated.

IMDG

Not regulated.

IATA

Not regulated.

15. Regulatory Information

15.1 Safety, health, and environmental regulations specific to the product or mixture

SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	This material contains the following chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. Ammonium Nitrate. Calcium Nitrate.
SARA 311/312 Hazard	Acute health hazard.
TSCA	All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements
EINECS	Substances are either included in EINECS, ELINCS, NLP inventories or exempt.
Canada DSL	All components of this product are on the Canada Domestic Substance List.
CA Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm
State Regulatory Lists:	Each state may promulgate standards more stringent than the federal government. This section cannot encompass an inclusive list or all state regulations. Therefore, the user should review the components listed in Section 2 and consult state or local authorities for specific regulations that apply.

16. Other Information

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The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Canopy Crop Management assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Canopy Crop Management assumes no responsibility for injury to vendee or third persons proximately caused by use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

Abbreviations and acronyms	<p>IMDG - International Maritime Code for Dangerous Goods</p> <p>IATA - International Air Transport Association</p> <p>GHS - Globally Harmonized System of Classification and Labelling of Chemicals</p> <p>PBT - Persistent, bioaccumulative and toxic assessment</p> <p>vPvB - Very persistent and very bioaccumulative assessment</p> <p>ACGIH - American Conference of Governmental Industrial Hygienists</p> <p>NIOSH - National Institute for Occupational Safety and Health</p> <p>TLV - Threshold Limit Values</p> <p>CAS - Chemical Abstracts Service (division of the American Chemical Society)</p> <p>NFPA - National Fire Protection Association</p> <p>HMIS - Hazardous Materials Identification System</p> <p>CFR - Code of Federal Regulations</p> <p>SARA - Superfund Amendments and Reauthorization Act</p> <p>DOT - US Department of Transportation</p> <p>EC50 - Half maximal effective concentration</p> <p>LD50 - Median lethal dose</p> <p>LC50 - Median lethal concentration</p>
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SDS - Safety Data Sheet
PEL - Permissible Exposure Limit
TSCA - Toxic Substances Control Act