

# Flow

## Canopy Crop Management

### Safety Data Sheet



Revision date: 29 July 2022  
Print date: 29 July 2022  
Version: Rev 1

## 1. Product and Company Identification

### 1.1 Product identifiers

Product Name	Flow
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	Water treatment
-----------------	-----------------

### 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
------------------------	----------------

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

GHS Class	Not a hazardous substance or mixture
-----------	--------------------------------------

#### Classification according to Regulation (EC) No 1272/2008

Based on present data no classification and labeling is required according to Directive 1272/2008/EC and its amendments (CLP Regulation, GHS).

#### Classification according to Directive 67/548/EEC or Directive 1999/45/EC

According to present data no classification and labeling is required according to Directives 67/548/EEC or 1999/45/EC.

### 2.2 GHS Label elements, including precautionary statements

GHS Pictograms	Not hazardous
Signal word	Not hazardous
Hazard statements	Not hazardous
Precautionary statements	Not hazardous

### 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	Mixture
CAS-No.	Mixture

Chemical Name	CAS-No.	Ingredient Percent
Water	7732-18-5	Proprietary
Hypochlorous Acid	7790-92-3	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 First aid is not normally required. If irritation occurs, wash off with a disinfectant soap and water. Consult a physician if symptoms occur.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if symptoms occur.

Inhalation In case of difficult breathing, move person to fresh air. Consult a physician if symptoms occur.

Ingestion Rinse out mouth with water. Do NOT induce vomiting. Consult a physician.

### 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.

### 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 For personal protection see section 8.

### 6.2 Environmental precautions

Environmental precautions Place waste in an appropriately labeled container for disposal. Recover as much of the material as possible. Care should be taken to avoid environmental release.

### 6.3 Methods and materials for containment and cleaning up

Methods for cleanup 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 Avoid contact with skin and eyes. In case of large quantities of vapor or dust, use local exhaust or general dilution ventilation to control exposure within applicable limits. For precautions see section 2.2.

**7.2 Precautions for safe handling**

Safe handling precautions Handle in accordance with good industrial hygiene and safety practice. Storage in large quantities should be a well ventilated, cool area.

**7.3 Conditions for safe storage, including any incompatibilities**

Other storage conditions Store in tightly closed original container. Store in a cool, dry area away from heat sources, sun-light and moisture. Keep air contact to a minimum. Keep away from incompatible materials such as oxidizing agents. Do not store with aluminum, product may be corrosive to aluminum.

**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 Clear liquid  
b) Odor Slight Chlorine  
c) Odor threshold No data available  
d) pH No data available  
e) Melting/freezing point 0°C  
f) Boiling point 100°C  
g) Flash point Not applicable  
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 1  
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

<b>10.1 Reactivity</b>	
Reactivity	No data available
<b>10.2 Chemical stability</b>	
Chemical stability	Stable under ordinary conditions of use and storage.
<b>10.3 Possibility of hazardous reactions</b>	
Hazardous reactions	No data available
<b>10.4 Conditions to avoid</b>	
Conditions to avoid	Contact with incompatible chemicals.
<b>10.5 Incompatible materials</b>	
Incompatible materials	Strong acids. Oxidizing agents. Organic materials.
<b>10.6 Hazardous decomposition products</b>	
Hazardous products	None under normal processing. In the event of fire, see section 5.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Acute toxicity

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

#### Skin corrosion/irritation

Skin corrosion irritation	No data available
---------------------------	-------------------

#### Serious eye damage/eye irritation

Eye damage/eye irritation	No data available
---------------------------	-------------------

#### Respiratory or skin sensitization

Respiratory sensitizer	No data available
Skin sensitizer	No data available

#### Germ cell mutagenicity

Mutagenicity	No data available
--------------	-------------------

#### 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	This product is not reported to produce mutagenic, embryotoxic, teratogenic, or reproductive effects in humans.
-----------------------	-----------------------------------------------------------------------------------------------------------------

#### Aspiration hazard

Aspiration hazard	No data available
-------------------	-------------------

## 12. Ecological Information

### 12.1 Ecotoxicity (aquatic and terrestrial)

Ecotoxicity	No data available
-------------	-------------------

### 12.2 Persistence and degradability

Degradability	No data available.
---------------	--------------------

### 12.3 Bioaccumulation potential

Bioaccumulation	No data available
-----------------	-------------------

**12.4 Mobility in soil**

Mobility in soil	No data available
------------------	-------------------

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment	Not available as chemical safety assessment not required/not conducted.
---------------------	-------------------------------------------------------------------------

**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.
--------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**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 does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
TSCA	This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States: Potassium Chloride CAS 7447-40-7
EINECS	All components of this product are on the European Inventory of Existing Commercial Chemical Substances.
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.

**16. Other Information**

Revision Date	29 July 2022
---------------	--------------

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          IATA - International Air Transport Association          GHS - Globally Harmonized System of Classification and Labelling of Chemicals          PBT - Persistent, bioaccumulative and toxic assessment          vPvB - Very persistent and very bioaccumulative assessment          ACGIH - American Conference of Governmental Industrial Hygienists          NIOSH - National Institute for Occupational Safety and Health          TLV - Threshold Limit Values          CAS - Chemical Abstracts Service (division of the American Chemical Society)          NFPA - National Fire Protection Association          HMIS - Hazardous Materials Identification System          CFR - Code of Federal Regulations          SARA - Superfund Amendments and Reauthorization Act</p>
----------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

DOT - US Department of Transportation  
EC50 - Half maximal effective concentration  
LD50 - Median lethal dose  
LC50 - Median lethal concentration  
SDS - Safety Data Sheet  
PEL - Permissible Exposure Limit  
TSCA - Toxic Substances Control Act