

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Fruitone® L

**Other means of identification**

**SDS number** 348

**Product registration number** 5481-541

**Recommended use** Plant Growth Regulator

**Recommended restrictions** None known.

**EPA Registration number** EPA: 5481-541

**Pest Control Products Act (Canada)** WHMIS: 31640

### Manufacturer/Importer/Supplier/Distributor information

#### Manufacturer

**Company name** AMVAC Chemical Corporation

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United States

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AMVAC Chemical Corp 949-260-6270(FAX)

**E-mail** CustServ@Amvac-Chemical.com

**Emergency phone number** Medical 888-681-4261  
CHEMTREC® 800-424-9300  
(USA+Canada)  
Product Use 888-462-6822  
CHEMTREC® (Outside 1+703-527-3887  
USA)

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**Environmental hazards** Not classified.

**OSHA defined hazards** Not classified.

#### Label elements

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** Not available.

**Precautionary statement**

**Prevention** Not available.

**Response** Not available.

**Storage** Not available.

**Disposal** Not available.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
1-Naphthaleneacetic acid, sodium salt		61-31-4	3.5

#### 4. First-aid measures

Inhalation	Not available.
Skin contact	Not available.
Eye contact	Not available.
Ingestion	Not available.
Most important symptoms/effects, acute and delayed	Not available.

#### 5. Fire-fighting measures

Suitable extinguishing media	Not applicable, non-combustible.
Unsuitable extinguishing media	Not applicable, non-combustible.
Specific hazards arising from the chemical	Not applicable.
Special protective equipment and precautions for firefighters	None (non-combustible).
Fire fighting equipment/instructions	No unusual fire or explosion hazards noted.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Not available.
Methods and materials for containment and cleaning up	Following product recovery, flush area with water.
Environmental precautions	Not available.

#### 7. Handling and storage

Precautions for safe handling	Not available.
Conditions for safe storage, including any incompatibilities	Not available.

#### 8. Exposure controls/personal protection

Occupational exposure limits	This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.
Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Not available.
<b>Individual protection measures, such as personal protective equipment</b>	
Eye/face protection	Not available.
Skin protection	
Hand protection	Not available.
Other	Not available.
Respiratory protection	No personal respiratory protective equipment normally required.
Thermal hazards	None known.

#### 9. Physical and chemical properties

<b>Appearance</b>	
Physical state	Liquid.
Form	Aqueous solution.
Color	Colorless to light yellow.
Odor	Odorless.
Odor threshold	Not applicable

<b>pH</b>	9 - 10
<b>Melting point/freezing point</b>	30.2 °F (-1 °C)
<b>Initial boiling point and boiling range</b>	214 °F (101 °C)
<b>Flash point</b>	Not applicable
<b>Evaporation rate</b>	1 as compared to water
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	1.70E+01 mm Hg @ 20°C
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Miscible
<b>Solubility (solvents)</b>	Soluble in alcohols
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Density</b>	8.44 lb/gal
<b>Percent volatile</b>	> 95 %
<b>Specific gravity</b>	1.011 @ 20°C/4°C

## 10. Stability and reactivity

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Not available.
<b>Possibility of hazardous reactions</b>	Not available.
<b>Conditions to avoid</b>	Not available.
<b>Incompatible materials</b>	Addition of acids to the product will cause Naphthaleneacetic acid to precipitate from the solution.
<b>Hazardous decomposition products</b>	Not available.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Not available.
<b>Skin contact</b>	Not available.
<b>Eye contact</b>	Not available.
<b>Ingestion</b>	Not available.

**Symptoms related to the physical, chemical and toxicological characteristics** Not available.

### Information on toxicological effects

**Acute toxicity** None known.

<b>Product</b>	<b>Species</b>	<b>Test Results</b>
Fruitone® L		
<b>acute dermal</b>		
LD50	rabbit	> 2020 mg/kg
<b>inhalation</b>		
LC50	rat	> 1.62 mg/L aerosol

Product	Species	Test Results
oral LD50	rat	> 4400 mg/kg female
<b>Skin corrosion/irritation</b>	Not available.	
<b>Serious eye damage/eye irritation</b>		
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	Not available.	
<b>Skin sensitization</b>	Not a sensitizer.	
<b>Germ cell mutagenicity</b>	Not available.	
<b>Carcinogenicity</b>	Not carcinogenic. There was no evidence of carcinogenicity from laboratory studies carried out on 1-Naphthaleneacetic Acid and 1-Naphthaleneacetamide in rodents.	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Not listed.		
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b>		
Not regulated.		
<b>US. National Toxicology Program (NTP) Report on Carcinogens</b>		
Not listed.		
<b>Reproductive toxicity</b>	Not available.	
<b>Specific target organ toxicity - single exposure</b>	Not available.	
<b>Specific target organ toxicity - repeated exposure</b>	Not available.	
<b>Aspiration hazard</b>	Not available.	
<b>12. Ecological information</b>		
<b>Ecotoxicity</b>	No ecotoxicity data noted for the ingredient(s).	
<b>Persistence and degradability</b>	Not available.	
<b>Bioaccumulative potential</b>	Not available.	
<b>Mobility in soil</b>	Not available.	
<b>Other adverse effects</b>	Not available.	
<b>13. Disposal considerations</b>		
<b>Disposal instructions</b>	Not available.	
<b>Hazardous waste code</b>	None known.	
<b>Waste from residues / unused products</b>	Dispose of in accordance with all applicable regulations.	
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal in accordance with all applicable regulations.	
<b>14. Transport information</b>		
<b>DOT</b>		
Not regulated as dangerous goods.		
<b>IATA</b>		
Not regulated as dangerous goods.		
<b>IMDG</b>		
Not regulated as dangerous goods.		
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not available.	

## 15. Regulatory information

### US federal regulations

This product is currently registered under EPA/FIFRA Regulations. It is a violation of Federal law to use this product in any manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA. This is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

HAZARD TO HUMANS AND DOMESTIC ANIMALS.

CAUTION! Harmful if absorbed through skin or eyes, swallowed or inhaled.. Avoid contact with eyes, skin, and clothing. Avoid breathing spray mist.

### ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Do not contaminate irrigation ditches or water used for irrigation or domestic purposes. Do not apply when weather conditions favor drift from areas treated.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

### SARA 304 Emergency release notification

Not regulated.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

Not listed.

#### SARA 311/312 Hazardous chemical

Yes

#### Classified hazard categories

Acute toxicity (any route of exposure)

#### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

#### Safe Drinking Water Act (SDWA)

Not regulated.

### US state regulations

#### California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** Sep-09-2015  
**Revision date** Jul-17-2018  
**Version #** 4.0  
**HMIS® ratings** Health: 1  
Flammability: 0  
Physical hazard: 0  
**NFPA ratings** Health: 1  
Flammability: 0  
Instability: 0

### Disclaimer

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HMIS is a trademark of the American Coatings Association.

NFPA is a trademark of the National Fire Protection Association, Inc.

### Revision information

Product and Company Identification: Product and Company Identification  
Regulatory information: California Proposition 65  
Regulatory information: Water Pollution Control Act  
Other information, including date of preparation or last revision: Disclaimer