



Issuing Date 15-May-2026

Revision date 22-Jan-2019

Revision Number 1

## 1. Identification

### Product identifier

Product Name UP & UP

### Other means of identification

Product Code(s) 1499578\_TG

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended use Dental / Oral Care Mouthwash (Liquid)

Restrictions on use No information available

### Details of the supplier of the safety data sheet

Supplier Name Consumer Product Partners

### Supplier Address

8515 Page Avenue  
Saint Louis  
MO  
63114  
US

### Emergency telephone number

Supplier Phone Number Phone:3144271000  
Fax:3144271010

24 Hour Emergency Phone Number 18004249300

Emergency Telephone No information available

## 2. Hazard(s) identification

### Classification of the substance or mixture

This product is not considered hazardous by either the US OSHA Hazard Communication Standard 2024, or Canada Hazardous Products Act (HPA) and Hazardous Products Regulation (HPR), as amended.

### Label elements

None

### Hazard statements

No hazard statements required.

**Hazards classified under paragraph (d)(1)(ii) of 1910.1200**

No information available.

**Other information**

No information available.

**3. Composition/information on ingredients****Substance**

Not applicable.

**Mixture**

Chemical name	CAS No.	Weight-%	Hazardous Material Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Water	7732-18-5	92.36809	-	-
Sorbitol	50-70-4	5.796	-	-
Sodium Benzoate	532-32-1	0.5	-	-
Polyethylene-polypropylene glycol	9003-11-6	0.29985	-	-
Third Party Formulation	Trade secret	0 - 10%	-	-
Third Party Formulation	Trade secret	0 - 10%	-	-
Sodium acid phosphate	7558-80-7	0.1	-	-
Disodium orthophosphate heptahydrate	7782-85-6	0.1	-	-
1,2-benzisothiazol-3(2h)-one 1,1-dioxide, sodium salt	128-44-9	0.1	-	-
Polyoxyethylene 20 sorbitan monooleate	9005-65-6	0.098	-	-
Cetylpyridinium chloride	123-03-5	0.05	-	-
Calcium disodium edta	62-33-9	0.05	-	-
Sodium fluoride	7681-49-4	0.04874	-	-
Disodium EDTA	139-33-3	0.039	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
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Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Acid red 33	3567-66-6	0.00037	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-

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Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1580147)	Trade secret	0 - 10%	-	-

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. First-aid measures

##### Description of first aid measures

<b>Inhalation</b>	Remove to fresh air.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash skin with soap and water.
<b>Ingestion</b>	Rinse mouth.

##### Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	No information available.
<b>Effects of Exposure</b>	No information available.

##### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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#### 5. Fire-fighting measures

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical** No information available.

**Hazardous combustion products** Carbon oxides.

##### Explosion data

**Sensitivity to mechanical impact** None.  
**Sensitivity to static discharge** None.

**Special protective equipment and** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

precautions for fire-fighters Use personal protection equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with eyes.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. Handling and storage

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure controls/personal protection

### Control Parameters

#### Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Sodium Benzoate 532-32-1	TWA: 2.5 mg/m <sup>3</sup> Benzoate inhalable particulate matter pSk	-	-
Sodium fluoride 7681-49-4	TWA: 2.5 mg/m <sup>3</sup> F	TWA: 2.5 mg/m <sup>3</sup> F (vacated) TWA: 2.5 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup> ; F IDLH: 250 mg/m <sup>3</sup> F
Third Party Formulation (TP # 1580147)	TWA: 50 ppm STEL: 100 ppm	TWA: 100 ppm TWA: 525 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m <sup>3</sup>	TWA: 100 ppm; TWA: 525 mg/m <sup>3</sup> ; IDLH: 1000 ppm
Third Party Formulation (TP # 1580147)	TWA: 5 ppm inhalable fraction and vapor pSk DS	-	-
Third Party Formulation (TP # 1580147)	TWA: 100 ppm STEL: 125 ppm	TWA: 100 ppm TWA: 360 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 360 mg/m <sup>3</sup> (vacated) STEL: 125 ppm (vacated) STEL: 450 mg/m <sup>3</sup>	TWA: 100 ppm; TWA: 360 mg/m <sup>3</sup> ; STEL: 125 ppm STEL: 450 mg/m <sup>3</sup> IDLH: 500 ppm
Third Party Formulation (TP #	TWA: 2 mg/m <sup>3</sup> inhalable	(vacated) TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> ;

1580147)	fraction and vapor		
Third Party Formulation (TP # 1580147)	TWA: 10 ppm	-	-

Chemical name	Alberta	British Columbia	Ontario	Quebec
Sodium Benzoate 532-32-1	-	Sk	-	-
Third Party Formulation	-	-	TWA: 10 mg/m <sup>3</sup> ; aerosol only TWA: 50 ppm; aerosol and vapor TWA: 155 mg/m <sup>3</sup> ; aerosol and vapor	-
Sodium fluoride 7681-49-4	TWA: 2.5 mg/m <sup>3</sup> ;	TWA: 2.5 mg/m <sup>3</sup> ;	TWA: 2.5 mg/m <sup>3</sup> ;	TWAEV: 2.5 mg/m <sup>3</sup> ;
Third Party Formulation (TP # 1580147)	TWA: 50 ppm; TWA: 266 mg/m <sup>3</sup> ; STEL: 100 ppm; STEL: 532 mg/m <sup>3</sup> ;	TWA: 50 ppm; STEL: 100 ppm;	TWA: 50 ppm; STEL: 100 ppm;	TWAEV: 50 ppm; STEV: 100 ppm;
Third Party Formulation (TP # 1580147)	-	Sk DS	TWA: 5 ppm; inhalable fraction and vapor dSk	-
Third Party Formulation (TP # 1580147)	TWA: 100 ppm; TWA: 361 mg/m <sup>3</sup> ; STEL: 125 ppm; STEL: 451 mg/m <sup>3</sup> ;	TWA: 100 ppm; STEL: 125 ppm;	TWA: 100 ppm; STEL: 125 ppm;	TWAEV: 100 ppm; TWAEV: 361 mg/m <sup>3</sup> ; STEV: 125 ppm; STEV: 452 mg/m <sup>3</sup> ;
Third Party Formulation (TP # 1580147)	TWA: 10 mg/m <sup>3</sup> ;	TWA: 2 mg/m <sup>3</sup> ; inhalable; inhalable aerosol and vapour	TWA: 2 mg/m <sup>3</sup> ; inhalable fraction and vapor	TWAEV: 2 mg/m <sup>3</sup> ; inhalable fraction and vapour
Third Party Formulation (TP # 1580147)	-	-	STEL: 4 ppm; STEL: 17 mg/m <sup>3</sup> ;	-
Third Party Formulation (TP # 1580147)	TWA: 10 ppm; TWA: 61 mg/m <sup>3</sup> ;	TWA: 10 ppm;	TWA: 10 ppm;	TWAEV: 10 ppm;

Chemical name	Manitoba	New Brunswick	Newfoundland and Labrador	Nova Scotia
Sodium Benzoate	TWA: 2.5 mg/m <sup>3</sup> ; inhalable particulate matter pSk	-	TWA: 2.5 mg/m <sup>3</sup> ; inhalable particulate matter pSk	TWA: 2.5 mg/m <sup>3</sup> ; inhalable particulate matter pSk
Sodium fluoride	TWA: 2.5 mg/m <sup>3</sup> ;	TWA: 2.5 mg/m <sup>3</sup> ;	TWA: 2.5 mg/m <sup>3</sup> ;	TWA: 2.5 mg/m <sup>3</sup> ;
Third Party Formulation (TP # 1580147)	TWA: 50 ppm; STEL: 100 ppm;	TWA: 50 ppm; STEL: 100 ppm;	TWA: 50 ppm; STEL: 100 ppm;	TWA: 50 ppm; STEL: 100 ppm;
Third Party Formulation (TP # 1580147)	TWA: 5 ppm; inhalable fraction and vapor pSk DS	TWA: 5 ppm; inhalable fraction and vapor pSk	TWA: 5 ppm; inhalable fraction and vapor pSk DS	TWA: 5 ppm; inhalable fraction and vapor pSk DS
Third Party Formulation (TP # 1580147)	TWA: 100 ppm; STEL: 125 ppm;	TWA: 100 ppm; STEL: 125 ppm;	TWA: 100 ppm; STEL: 125 ppm;	TWA: 100 ppm; STEL: 125 ppm;
Third Party Formulation (TP # 1580147)	TWA: 2 mg/m <sup>3</sup> ; inhalable fraction and vapor	TWA: 2 mg/m <sup>3</sup> ; inhalable fraction and vapor	TWA: 2 mg/m <sup>3</sup> ; inhalable fraction and vapor	TWA: 2 mg/m <sup>3</sup> ; inhalable fraction and vapor
Third Party Formulation (TP # 1580147)	TWA: 10 ppm;	TWA: 10 ppm;	TWA: 10 ppm;	TWA: 10 ppm;

Chemical name	Nunavut	Prince Edward Island	Saskatchewan	Yukon
Sodium Benzoate	-	TWA: 2.5 mg/m <sup>3</sup> ; inhalable particulate matter	-	-
Sodium fluoride	-	TWA: 2.5 mg/m <sup>3</sup> ;	TWA: 2.5 mg/m <sup>3</sup> ; STEL: 5 mg/m <sup>3</sup> ;	TWA: 2.5 mg/m <sup>3</sup> ; STEL: 2.5 mg/m <sup>3</sup> ;
Third Party Formulation (TP # 1580147)	TWA: 50 ppm; STEL: 100 ppm;	TWA: 50 ppm; STEL: 100 ppm;	TWA: 50 ppm; STEL: 100 ppm;	TWA: 100 ppm; TWA: 525 mg/m <sup>3</sup> ; STEL: 125 ppm; STEL: 655 mg/m <sup>3</sup> ;
Third Party Formulation (TP # 1580147)	-	TWA: 5 ppm; inhalable fraction and vapor	-	-
Third Party Formulation (TP # 1580147)	TWA: 100 ppm; STEL: 125 ppm;	TWA: 100 ppm; STEL: 125 ppm;	TWA: 100 ppm; STEL: 125 ppm;	TWA: 100 ppm; TWA: 360 mg/m <sup>3</sup> ; STEL: 125 ppm; STEL: 450 mg/m <sup>3</sup> ;
Third Party Formulation (TP # 1580147)	TWA: 2 mg/m <sup>3</sup> ; inhalable fraction and vapour STEL: 4 mg/m <sup>3</sup> ; inhalable fraction and vapour	TWA: 2 mg/m <sup>3</sup> ; inhalable fraction and vapor	TWA: 2 mg/m <sup>3</sup> ; inhalable fraction and vapour STEL: 4 mg/m <sup>3</sup> ; inhalable fraction and vapour	TWA: 10 mg/m <sup>3</sup> ; STEL: 20 mg/m <sup>3</sup> ;
Third Party Formulation (TP # 1580147)	TWA: 10 ppm; STEL: 20 ppm;	TWA: 10 ppm;	TWA: 10 ppm; STEL: 20 ppm;	-

**Biological occupational exposure limits** This product, as supplied, contains materials that do not have reportable biological exposure limits or are not subject to the reporting requirements of the local jurisdiction.

Chemical name	ACGIH
Sodium fluoride 7681-49-4	2 mg/L - urine (Fluoride) - prior to shift 3 mg/L - urine (Fluoride) - end of shift

### **Appropriate engineering controls**

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

### **Individual protection measures, such as personal protective equipment**

**Eye/face protection** Appropriate eye/face protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.

**Hand protection** Appropriate hand protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.

**Skin and body protection** Appropriate skin and body protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.

**Respiratory protection** Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state	Liquid
Color	No information available
Odor (includes odor threshold)	Bubble gum
Odor threshold	No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	No data available	None known
Boiling point (or initial boiling point or boiling range)	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
SADT (°C)	No data available	None known
pH	6.2	
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Solubility	No data available	None known
Water solubility	No data available	
Partition coefficient n-octanol/water (log value)	0	
Vapor pressure (includes evaporation rate)	No data available	None known
Evaporation rate	No data available	None known
Density and/or relative density	1.023	
Bulk density	No data available	
Liquid Density	No data available	
Relative vapor density	No data available	None known
Particle characteristics		None known
Particle Size	No data available	
Particle Size Distribution	No data available	

### Other information

Miscible	Yes
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## 10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	Carbon oxides.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Symptoms</b>	No information available.
<b>Acute toxicity</b>	No information available.

### Numerical measures of toxicity

The following ATE values have been calculated for the mixture

ATEmix (oral)	99,999.00 mg/kg
ATEmix (dermal)	99,999.00 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-vapor)	99,999.00 mg/l
ATEmix (inhalation-dust/mist)	99,999.00 mg/l

### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Water (Aqua)	> 90 mL/kg ( Rat )	-	-
Sorbitol	= 15900 mg/kg ( Rat )	-	-
Sodium Benzoate	= 4070 mg/kg ( Rat )	-	-
Poloxamer 181	= 5700 mg/kg ( Rat ) = 16 g/kg ( Rat )	-	= 320 mg/m <sup>3</sup> ( Rat ) 4 h
Third Party Formulation	= 1230 mg/kg ( Rat )	= 2 g/kg ( Rabbit )	> 4178 mg/m <sup>3</sup> ( Rat ) 4 h
Third Party Formulation	= 20 g/kg ( Rat )	= 20800 mg/kg ( Rabbit )	-
Sodium acid phosphate	= 8290 mg/kg ( Rat )	> 7940 mg/kg ( Rabbit )	> 0.83 mg/L ( Rat ) 4 h
1,2-benzisothiazol-3(2h)-one 1,1-dioxide, sodium salt	= 14200 mg/kg ( Rat )	-	-
Polyoxyethylene 20 sorbitan monooleate	= 34500 µL/kg ( Rat )	-	-
Cetylpyridinium chloride	= 200 mg/kg ( Rat )	= 7750 mg/kg ( Rabbit )	= 0.09 mg/L ( Rat ) 4 h
Calcium disodium edta	= 10 g/kg ( Rat )	-	> 1.13 mg/L ( Rat ) 7 h
Sodium fluoride	= 52 mg/kg ( Rat )	= 175 mg/kg ( Rat )	-
Disodium EDTA	= 2 g/kg ( Rat )	-	-
Third Party Formulation (TP # 1580147)	= 3300 mg/kg ( Rat )	-	-
Third Party Formulation (TP # 1580147)	= 13 g/kg ( Rat )	> 2000 mg/kg ( Rat )	-
Third Party Formulation (TP # 1580147)	= 887 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	-
Third Party Formulation (TP # 1580147)	= 2090 mg/kg ( Rat )	> 4900 mg/kg ( Rabbit )	> 5.1 mg/L ( Rat ) 4 h
Third Party Formulation (TP # 1580147)	> 5000 mg/kg ( Rat )	-	-
Third Party Formulation (TP # 1580147)	> 5 mL/kg ( Rat )	> 4324.5 mg/kg ( Rabbit )	-
Third Party Formulation (TP # 1580147)	> 5 g/kg ( Rat )	-	-

1580147)			
Third Party Formulation (TP # 1580147)	= 1930 mg/kg ( Rat )	-	> 2.58 mg/L ( Rat ) 4 h
Third Party Formulation (TP # 1580147)	= 2220 mg/kg ( Rat )	= 1260 mg/kg ( Rabbit )	-
Third Party Formulation (TP # 1580147)	-	= 820 mg/kg ( Rabbit )	-
Third Party Formulation (TP # 1580147)	= 8732 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-
Third Party Formulation (TP # 1580147)	= 4960 mg/kg ( Rat )	= 2250 mg/kg ( Rabbit )	-
Third Party Formulation (TP # 1580147)	= 3650 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-
Third Party Formulation (TP # 1580147)	= 3978 mg/kg ( Rat )	> 5010 mg/kg ( Rabbit )	-
Third Party Formulation (TP # 1580147)	= 5770 mg/kg ( Rat )	= 3250 mg/kg ( Rabbit )	> 2000 ppm ( Rat ) 8 h
Third Party Formulation (TP # 1580147)	= 1300 mg/kg ( Rat )	> 3 g/kg ( Rabbit )	> 1.11 mg/L ( Rat ) 4 h
Third Party Formulation (TP # 1580147)	= 2790 mg/kg ( Rat )	= 5610 mg/kg ( Rabbit )	-
Third Party Formulation (TP # 1580147)	> 2930 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-
Third Party Formulation (TP # 1580147)	= 6330 mg/kg ( Rat )	-	-
Third Party Formulation (TP # 1580147)	= 1292 mg/kg ( Rat )	> 1250 mg/kg ( Rabbit )	< 5 mg/L ( Rat ) 4 h
Third Party Formulation (TP # 1580147)	= 5170 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-
Third Party Formulation (TP # 1580147)	= 4616 mg/kg ( Rat )	= 5207 mg/kg ( Rabbit )	> 4.7 mg/L ( Rat ) 4 h
Third Party Formulation (TP # 1580147)	= 1177 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.57 mg/L ( Rat ) 8 h
Third Party Formulation (TP # 1580147)	> 5 g/kg ( Rat )	> 5000 mg/kg ( Rabbit )	0.6 - 3.8 mg/L ( Rat ) 4 h
Third Party Formulation (TP # 1580147)	-	= 5 mL/kg ( Rabbit )	-
Third Party Formulation (TP # 1580147)	= 3730 mg/kg ( Rat )	= 5040 mg/kg ( Rabbit )	-
Third Party Formulation (TP # 1580147)	= 2227 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	-
Third Party Formulation (TP # 1580147)	= 3210 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	> 0.32 mg/L ( Rat ) 7 h
Third Party Formulation (TP # 1580147)	= 2490 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	-

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.  
The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
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Sodium Benzoate	A5 - Not suspected as a human carcinogen	-	-	-
1,2-benzisothiazol-3(2h)-one 1,1-dioxide, sodium salt	-	Group 3 - Not classifiable as to its carcinogenicity to humans	-	-
Sodium fluoride	A4 - Not classifiable as a human carcinogen	Group 3 - Not classifiable as to its carcinogenicity to humans	-	X
Third Party Formulation (TP # 1580147)	-	Group 3 - Not classifiable as to its carcinogenicity to humans	-	-
Third Party Formulation (TP # 1580147)	A4 - Not classifiable as a human carcinogen	-	-	-
Third Party Formulation (TP # 1580147)	A4 - Not classifiable as a human carcinogen	Group 3 - Not classifiable as to its carcinogenicity to humans	-	-
Third Party Formulation (TP # 1580147)	A4 - Not classifiable as a human carcinogen	Group 3 - Not classifiable as to its carcinogenicity to humans	-	-

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

## 12. Ecological information

**Ecotoxicity** Based on available data, the classification criteria are not met.

**Aquatic ecotoxicity**

### Component Information

Chemical name	Fish	Crustacea	Algae/aquatic plants	Toxicity to microorganisms
Sodium Benzoate	96h LC50: 420 - 558 mg/L (Pimephales promelas) 96h LC50: > 100 mg/L (Pimephales promelas)	48h EC50: < 650 mg/L (Daphnia magna)	-	EC50 = 500 mg/L 24 h
Third Party Formulation	96h LC50: = 460 mg/L (Pimephales promelas) 96h LC50: = 10 mg/L (Lepomis macrochirus)	48h EC50: = 23 mg/L (water flea)	-	-
Third Party Formulation	96h LC50: = 51600 mg/L (Oncorhynchus mykiss) 96h LC50: 41 - 47 mL/L (Oncorhynchus mykiss)	48h EC50: > 1000 mg/L (Daphnia magna)	96h EC50: = 19000 mg/L (Pseudokirchneriella subcapitata)	-

	96h LC50: = 51400 mg/L (Pimephales promelas) 96h LC50: = 710 mg/L (Pimephales promelas)			
1,2-benzisothiazol-3(2h)-one 1,1-dioxide, sodium salt	96h LC50: 16400 - 20400 mg/L (Pimephales promelas)	-	-	-
Calcium disodium edta	96h LC50: = 2340 mg/L (Lepomis macrochirus)	-	-	-
Sodium fluoride	96h LC50: > 530 mg/L (Lepomis macrochirus) 96h LC50: = 830 mg/L (Lepomis macrochirus) 96h LC50: 38 - 68 mg/L (Oncorhynchus mykiss) 96h LC50: = 180 mg/L (Pimephales promelas)	48h EC50: = 338 mg/L (Daphnia magna) 48h EC50: = 98 mg/L (Daphnia magna)	96h EC50: = 272 mg/L (Pseudokirchneriella subcapitata) 72h EC50: = 850 mg/L (Desmodesmus subspicatus)	-
Disodium EDTA	96h LC50: = 320 mg/L (Poecilia reticulata)	-	-	-
Third Party Formulation (TP # 1580147)	96h LC50: = 18.9 mg/L (Pimephales promelas)	-	-	-
Third Party Formulation (TP # 1580147)	-	-	-	EC50 = 380 mg/L 16 h EC50 = 989 mg/L 1 h
Third Party Formulation (TP # 1580147)	96h LC50: = 13 mg/L (Danio rerio)	-	-	-
Third Party Formulation (TP # 1580147)	96h LC50: = 0.117 mg/L (Danio rerio)	-	-	-
Third Party Formulation (TP # 1580147)	-	48h EC50: = 7 mg/L (Daphnia magna)	72h EC50: = 16 mg/L (Desmodesmus subspicatus) 96h EC50: = 19 mg/L (Desmodesmus subspicatus)	EC50 = 2100 mg/L 30 min
Third Party Formulation (TP # 1580147)	96h LC50: 53 - 61.3 mg/L (Pimephales promelas) 96h LC50: = 88 mg/L (Pimephales promelas) 96h LC50: = 57 mg/L (Pimephales promelas)	-	-	EC50 = 179 mg/L 210 min
Third Party Formulation (TP # 1580147)	96h LC50: = 700 mg/L (Oncorhynchus mykiss)	48h EC50: = 260 mg/L (Daphnia magna)	72h EC50: = 493 mg/L (Desmodesmus subspicatus) 96h EC50: = 181 mg/L (Desmodesmus subspicatus)	EC50 = 2500 mg/L 17 h
Third Party Formulation (TP # 1580147)	96h LC50: = 27.8 mg/L (Oncorhynchus mykiss)	48h EC50: = 20 mg/L (Daphnia magna)	96h EC50: = 88.3 mg/L (Desmodesmus subspicatus)	-
Third Party Formulation (TP # 1580147)	-	-	72h EC50: = 6 mg/L (Pseudokirchneriella subcapitata) 72h EC50: > 0.42 mg/L (Desmodesmus subspicatus)	-
Third Party Formulation (TP # 1580147)	96h LC50: 10.6 - 11.8 mg/L (Oncorhynchus mykiss) 96h LC50: = 12.69 mg/L	-	-	EC50 = 4.85 mg/L 30 min EC50 = 5.08 mg/L 15 min

	(Oncorhynchus mykiss) 96h LC50: 0.8 - 1.44 mg/L (Lepomis macrochirus) 96h LC50: 6.8 - 8.53 mg/L (Pimephales promelas) 96h LC50: = 7.5 mg/L (Lepomis macrochirus)			EC50 = 6.11 mg/L 5 min
Third Party Formulation (TP # 1580147)	96h LC50: = 23 mg/L (Danio rerio)	-	-	-
Third Party Formulation (TP # 1580147)	96h LC50: = 1.45 mg/L (Oncorhynchus mykiss)	-	-	EC50 = 2.90 mg/L 25 min EC50 = 3.59 mg/L 15 min EC50 = 4.71 mg/L 5 min
Third Party Formulation (TP # 1580147)	96h LC50: = 1.03 mg/L (Danio rerio)	-	-	-
Third Party Formulation (TP # 1580147)	-	-	-	EC50 = 3.29 mg/L 5 min EC50 = 3.86 mg/L 15 min EC50 = 4.54 mg/L 30 min

Chemical name	Earthworm	Avian	Honeybees
Third Party Formulation (TP # 1580147)	NOEC = 10000 mg/kg (Eisenia foetida, 42 Days soil dry weight)	-	-

**Persistence and degradability** No information available.

#### **Bioaccumulative potential**

Chemical name	Partition coefficient	Bioconcentration factor (BCF)	Trophic magnification factor (TMF)
Sodium Benzoate	-2.13	-	-
Third Party Formulation	1.05	-	-
Third Party Formulation	-1.07	1	-
1,2-benzisothiazol-3(2h)-one 1,1-dioxide, sodium salt	-2.227	-	-
Disodium EDTA	-4.3	-	-
Third Party Formulation (TP # 1580147)	2.7	-	-
Third Party Formulation (TP # 1580147)	3.15	-	-
Third Party Formulation (TP # 1580147)	2.433	-	-
Third Party Formulation (TP # 1580147)	2.55	-	-
Third Party Formulation (TP # 1580147)	3.99	-	-
Third Party Formulation (TP # 1580147)	3.365	-	-
Third Party Formulation (TP # 1580147)	1.83	-	-

Third Party Formulation (TP # 1580147)	2.1065	-	-
Third Party Formulation (TP # 1580147)	3.8	-	-
Third Party Formulation (TP # 1580147)	3.191	-	-
D & C Red No. 33	-2.09	-	-
Third Party Formulation (TP # 1580147)	1.31	-	-
Third Party Formulation (TP # 1580147)	2.76	-	-
Third Party Formulation (TP # 1580147)	5.4	-	-
Third Party Formulation (TP # 1580147)	1.23	-	-
Third Party Formulation (TP # 1580147)	1.35	-	-
Third Party Formulation (TP # 1580147)	2.9	-	-
Third Party Formulation (TP # 1580147)	5.1	2500	-
Third Party Formulation (TP # 1580147)	4.04	-	-
Third Party Formulation (TP # 1580147)	1.4	-	-
Third Party Formulation (TP # 1580147)	3.5	-	-
Third Party Formulation (TP # 1580147)	2.1	-	-
Third Party Formulation (TP # 1580147)	3.4	-	-
Third Party Formulation (TP # 1580147)	2.4	-	-
Third Party Formulation (TP # 1580147)	3.8	-	-
Third Party Formulation (TP # 1580147)	4	-	-
Third Party Formulation (TP # 1580147)	1.56	-	-
Third Party Formulation (TP # 1580147)	1.96	-	-

**Mobility in soil** No information available.

**Other adverse effects** No information available.

**13. Disposal considerations**

**Disposal methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

## 14. Transport information

<b>DOT</b> Transport hazard class(es)	NOT REGULATED N/A
<b>TDG</b>	Not applicable
<b>MEX</b>	Not applicable
<b>ICAO (air)</b>	Not applicable
<b>IATA</b> Transport hazard class(es)	Not applicable N/A
<b>IMDG</b> Transport hazard class(es)	Not applicable N/A

## 15. Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

#### International Inventories

**TSCA** Contact supplier for inventory compliance status.

**DSL/NDSL** Contact supplier for inventory compliance status.

**EINECS/ELINCS** Contact supplier for inventory compliance status.

**ENCS** Contact supplier for inventory compliance status.

**IECSC** Contact supplier for inventory compliance status.

**KECL** Contact supplier for inventory compliance status.

**PICCS** Contact supplier for inventory compliance status.

**AIIC** Contact supplier for inventory compliance status.

**NZIoC** Contact supplier for inventory compliance status.

**TCSI** Contact supplier for inventory compliance status.

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing Chemicals Inventory

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AIIC** - Australian Inventory of Industrial Chemicals

**NZIoC** - New Zealand Inventory of Chemicals

**TCSI** - Taiwan Chemical Substance Inventory

#### US Federal Regulations

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CAA (Clean Air Act)**

This product does not contain any substances regulated as pollutants pursuant to Clean Air Act (CAA).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Third Party Formulation	-	X	X
Third Party Formulation	X	-	X
1,2-benzisothiazol-3(2h)-one 1,1-dioxide, sodium salt	-	X	X
Sodium fluoride	X	X	X
Third Party Formulation (TP # 1580147)	X	X	X
Third Party Formulation (TP # 1580147)	X	X	X
Third Party Formulation (TP # 1580147)	-	-	X
Third Party Formulation (TP # 1580147)	X	X	X
Third Party Formulation (TP # 1580147)	X	X	X
Third Party Formulation (TP # 1580147)	X	X	X
Third Party Formulation (TP # 1580147)	X	X	X
Third Party Formulation (TP # 1580147)	-	X	-
Third Party Formulation (TP # 1580147)	X	-	-
Third Party Formulation (TP # 1580147)	X	-	-

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. Other information**

<b>NFPA</b>	<b>Health hazards</b> 1	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Special hazards</b> -
<b>HMIS</b>	<b>Health hazards</b> 1	<b>Flammability</b> 0	<b>Physical hazards</b> 0	<b>Personal protection</b> X

**Key or legend to abbreviations and acronyms used in the safety data sheet**

List may include phrases which are not applicable to this product

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe)
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)
AIIC	Australian Inventory of Industrial Chemicals
ATE	Acute Toxicity Estimate
ASTM	American Society for the Testing of Materials
bar	Biological Reference Values for Chemical Compounds in the Work Area
BAT	Biological tolerance values for occupational exposure
BEL	Biological exposure limits
bw	Body weight
Ceiling	Maximum limit value
CMR	Carcinogen, Mutagen or Reproductive Toxicant
DOT	Department of Transportation (United States)
DSL	Domestic Substances List (Canada)
EmS	Emergency Schedule
ENCS	Existing and New Chemical Substances (Japan)
EPA	Environmental Protection Agency
GHS	Globally Harmonized System
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO	International Civil Aviation Organization
IECSC	Inventory of Existing Chemical Substances in China
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Organization for Standardization
KECI	Korean Existing Chemicals Inventory
LC50	Lethal Concentration to 50% of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
MARPOL	International Convention for the Prevention of Pollution from Ships
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOELR	No Observable Effect Loading Rate
NTP	National Toxicology Program (United States)
NZIoC	New Zealand Inventory of Chemicals
OECD	Organization for Economic Cooperation and Development
OEL	Occupational exposure limits
OSHA	Occupational Safety and Health Administration of the US Department of Labor
PBT	Persistent, Bioaccumulative and Toxic substance
PICCS	Philippines Inventory of Chemicals and Chemical Substances
PMT	Persistent, Mobile and Toxic
PPE	Personal protective equipment
QSAR	Quantitative Structure Activity Relationship

RID	Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure-activity relationship
SARA	Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet
SL	Surface Limit
STEL	Short Term Exposure Limit
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
TCSI	Taiwan Chemical Substance Inventory
TDG	Transport of Dangerous Goods (Canada)
TSCA	Toxic Substances Control Act (United States)
TWA	Time-Weighted Average
UN	United Nations
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
vPvM	Very Persistent and Very Mobile
As	Allergenic substance
DS	Dermal Sensitizer
Ot	Ototoxicant
pOt	Ototoxicant - potential to cause hearing disorders
PS	Photosensitizer
RS	Respiratory Sensitizer
S	Sensitizer
poS	Sensitizer - capable of causing occupational asthma
Sa	Simple asphyxiant
Sd	Skin designation
pSd	Skin designation - potential for cutaneous absorption
Sdv	Skin designation - vacated
Sk	Skin notation
dSk	Skin notation - danger of cutaneous absorption
pSk	Skin notation - potential for cutaneous absorption

#### Key literature references and sources for data used to compile the SDS

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 U.S. Environmental Protection Agency  
 Acute Exposure Guideline Level(s) (AEGL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan National Institute of Technology and Evaluation (NITE)  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 U.S. National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications  
 International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program  
 International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set  
 United Nations World Health Organization (WHO)

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**Disclaimer**

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**End of Safety Data Sheet**