



# SAFETY DATA SHEET ( SDS )

Date Revised : 06 / 16  
Supersedes : 04 / 14

## ORANGE DRAIN MAINTAINER Made from Essential Oils of Orange

## Clears Obstructed Plumbing Lines Cleans & Deodorizes

### SECTION 1 : IDENTIFICATION OF SUBSTANCE / COMPANY

PRODUCT NAME / IDENTIFIER :

PRIMARY APPLICATION / RECOMMENDED USAGE :

DISTRIBUTED EXCLUSIVELY BY :

INFORMATION TELEPHONE :

EMERGENCY TELEPHONE :

Medical : Contact your local Poison Control Center

CHEMICAL EMERGENCY RESPONSE Contact :

InfoTrac: ( Reference : Technical Chemical Co dba/Arrow : Code # 4511 ) \_ 800-535-5053 ( North America )

“ORANGE DRAIN MAINTAINER” Natural Drain Opener  
Made from Natural Essential Oils from Citrus Orange  
Quickly dissolves grease, fats, oils, and other organic debris to clear obstructed drains and to keep them "free-flowing".  
It is used to clean and deodorize sinks, drains, grease traps, septic systems, and any other problem areas. An excellent alternative to "HAZARDOUS" acid or "CAUSTIC" drain cleaners. Will NOT disrupt bacterial action in plumbing lines, cesspools, or septic systems.  
**HEALTHY CLEAN BUILDINGS**  
4 Wilmington Drive  
Melville, New York 11747  
1-631-643-1882

\_ 1-352-323-3500 ( International )

**NOTE :** InfoTrac should be contacted only in the event of a chemical mishap involving fire, spill, exposure or other emergency conditions involving the chemical described within this SDS sheet.

### SECTION 2 : HAZARDS IDENTIFICATION

#### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 5
Acute toxicity - Dermal	Not classified
Skin corrosion/irritation	Category 2
Skin sensitization	Category 1

#### Label elements

#### Emergency Overview



#### Warning

#### Hazard statements

Causes serious eye irritation . May be harmful if Swallowed . Causes skin irritation . May cause an allergic skin reaction



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**Appearance :** Clear      **Physical state :** Liquid      **Odor :** Citrus

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection Avoid breathing dust/fume/gas/mist/vapors/spray Contaminated work clothing should not be allowed out of the workplace Avoid release to the environment

**Precautionary Statements - Response**

Specific Treatment (See Section 4 on the SDS) IF ON SKIN: Wash with plenty of soap and water Take off contaminated clothing and wash before reuse If skin irritation or rash occurs: Get medical advice/attention immediately call a POISON CENTER or doctor/physician Collect spillage

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

**Other Information**

Unknown Acute Toxicity  
0% of the mixture consists of ingredient(s) of unknown toxicity

**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight-%	Trade Secret
Orange Terpenes	5989-27-5	80-99	
Surfactant blend	Blend	10-20	*

\* Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret

**SECTION 4 : FIRST AID MEASURES**

**First aid measures**

**General advice**

Immediate medical attention is required. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If symptoms persist, call a physician.

**Skin Contact**

Wash off immediately with plenty of water. Wash contaminated clothing before reuse. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing.





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<b>Inhalation</b>	Remove to fresh air. If symptoms persist, call a physician. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors.
<b>Ingestion</b>	Do NOT induce vomiting. Drink plenty of water. Immediate medical attention is not required. Rinse mouth. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
<b><u>Self-protection of the first aider</u></b>	Remove all sources of ignition. Use personal protective equipment as required.

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

<b>Symptoms</b>	Any additional important symptoms and effects are described in Section 11: Toxicology Information.
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### **Indication of any immediate medical attention and special treatment needed**

<b><u>Note to physicians</u></b>	May cause sensitization of susceptible persons. Treat symptomatically.
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## **SECTION 5 : FIRE-FIGHTING MEASURES**

### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

### **Specific hazards arising from the chemical**

In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

### **Explosion data**

**Sensitivity to Mechanical Impact** : None.

**Sensitivity to Static Discharge** : None.

### **Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **SECTION 6 : ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

### **Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, universal binder, sawdust). Soak up with inert absorbent material.



## SECTION 7 : HANDLING AND STORAGE

### Precautions for safe handling

#### **Advice on safe handling**

Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.

### Conditions for safe storage, including any incompatibilities

#### **Storage Conditions**

Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place.

#### **Incompatible materials**

None known based on information supplied.

## SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### **Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriate engineering controls

#### **Engineering Controls**

Showers, Eyewash stations & Ventilation systems.

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

#### **Eye/face protection**

Wear safety glasses with side shields (or goggles). Wear a face shield if splashing hazard exists.

#### **Skin and body protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

#### **Respiratory protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

#### **General Hygiene**

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state :</b>	Liquid
<b>Appearance :</b>	Clear
<b>Color :</b>	Colorless
<b>Odor :</b>	Citrus
<b>Odor threshold :</b>	No Information available
<b><u>Properties</u></b>	
<b>pH :</b>	<b><u>Values :</u></b> Not an Aqueous Solution
<b>Specific Gravity :</b>	.842
<b>Viscosity :</b>	Water Thin



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**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES ( CONTINUED )**

Melting point/freezing point :	No Information available
Flash point :	113 °F
Boiling point / boiling range :	NA
Evaporation rate (butyl acetate = 1)	0.2
Flammability (solid, gas)	Yes
<b>Flammability Limits in Air</b>	
Upper flammability limit:	6.1
Lower flammability limit:	0.7
Vapor pressure	No Information available
Vapor density	No Information available
Water solubility	Miscible
Partition coefficient	No Information available
Autoignition temperature	No Information available
Decomposition temperature	No Information available

**Other Information**

Density Lbs/Gal	7.00
VOC Content	762.72 grams per liter

**SECTION 10 : STABILITY AND REACTIVITY**

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

**SECTION 11 : TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

Harmful by inhalation and in contact with eyes and skin.

**Inhalation**

Avoid breathing vapors or mists. Inhalation of vapors in high concentration may cause irritation of respiratory system.





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**SECTION 11 : TOXICOLOGICAL INFORMATION ( CONTINUED )**

**Eye contact :** Avoid contact with eyes. Contact with eyes may cause irritation.

**Skin Contact :** Avoid contact with skin. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Repeated exposure may cause skin dryness or cracking. May cause sensitization by skin contact.

**Ingestion :** Do not taste or swallow. May be harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Orange Terpenes 5989-27-5	= 4400 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	Yes
Surfactant Blend CAS# Mixture	NA	NA	NA

**Symptoms :** No Information available.

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

**Sensitization :** No Information available.  
**Germ cell mutagenicity :** No Information available.  
**Carcinogenicity :** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Orange Terpenes 5989-27-5	Yes	Group 3	Yes	X

**IARC ( International Agency for Research on Cancer )**

Not classifiable as a human carcinogen

**OSHA ( Occupational Safety and Health Administration of the US Department of Labor )**

X – Present

**Reproductive toxicity :** No Information available.  
**STOT - single exposure :** No Information available.  
**STOT - repeated exposure :** No Information available.  
**Chronic toxicity :** Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.  
**Aspiration hazard :** No Information available.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity :** 0% of the mixture consists of ingredient(s) of unknown toxicity  
 The following values are calculated based on chapter 3.1 of the GHS document.



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**SECTION 12 : ECOLOGICAL INFORMATION**

**Ecotoxicity**

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Orange Terpenes 5989-27-5	Yes	0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50	Yes
Surfactant Blend CAS# Mixture	No Data	No Data	No Data

**Persistence and degradability**

No Information available.

**Bioaccumulation**

No Information available.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes :** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging :** Do not reuse container.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Orange Terpenes 5989-27-5	Toxic

**SECTION 14 : TRANSPORT INFORMATION**

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment

**DOT INTERNATIONAL AND/OR CONTAINERS > 119 GALLONS**

**UN/ID No. :** UN2319

**Proper shipping name :** Terpene hydrocarbons, n.o.s.

**Hazard Class :** 3

**Packing Group :** III

**DOT DOMESTIC SHIPMENTS <119 GALLONS VIA GROUND**

**Special Provisions :** §173.150(f) exception applies.



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**SECTION 15 : REGULATORY INFORMATION**

International Inventories

TSCA Complies  
DSL/NDSL Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

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

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

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)

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 : Complies

U.S. EPA Label Information

EPA Pesticide Registration Number : Not Applicable

**SECTION 16 : OTHER INFORMATION**

Physical / Chemical Properties : Yes

Personal Protection : B

**HMIS** Health hazards 2 **Flammability** 2 **Physical hazards** 0

Issue Date June 10, 2016  
Revision Date NA  
Revision Note No Information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling , use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.