



SAFETY DATA SHEET (SDS)

Date Revised : 06 / 21
Supercedes : 04 / 16

FLOATING ORANGE DEODORIZER Made from Orange Terpenes (d'Limonene)

BLANKETS FOUL WATER SMELLS LOCKS DOWN BAD ODORS INSTANT ODOR CONTROL

SECTION 1 : IDENTIFICATION OF SUBSTANCE / COMPANY

PRODUCT NAME / IDENTIFIER :

“ FLOATING ORANGE DEODORIZER ” is 100% Bio-based and provides Instant Odor Control by blanketing foul water surfaces with a refreshing , natural citrus-scent while coating walls with a grease - busting natural solvent degreaser which prevents waste build-up . Safe to use – “Non-caustic” & Non – corrosive.

PRIMARY APPLICATION / RECOMMENDED USAGE :

Ideal for use in stagnant water (ie : ponds , lagoons, sumps ,grease traps . catch basins . floor drains) ; sewage injection pits , lift stations , elevator shafts .

DISTRIBUTED EXCLUSIVELY BY :

HEALTHY CLEAN BUILDINGS

4 Wilmington Drive

Melville, New York 11747

INFORMATION TELEPHONE :

1-631-643-1882

EMERGENCY TELEPHONE :

1-516-377-7772

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)

_ 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)

<u>SUBSTANCE :</u>	<u>Approx .%</u>	<u>OSHA PEL</u>	<u>ACGIH-TLV</u>	<u>EPA 40 CFR :</u>	<u>CAS #</u>
Orange Terpenes : (d' Limonene)	> 90.0	N/E	N/E	(302) : Y // (355) : N // (372) : N CERCLA // SARA TITLE III // SARA TITLE III	5989-27-5

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

Label elements

Emergency Overview



Warning



Human Health

Hazard statements

Causes serious eye irritation (P280) May Be Harmful If Swallowed, Call Poison Control Center or Physician . Do NOT induce vomiting . (P301_3 + P310_3+P331_3) . May cause dizziness through prolonged inhalation . (H304_3) Causes skin irritation through prolonged exposure . (P332+P313) May cause an allergic skin reaction . Combustible Liquid (H227-3) Keep away from heat, sparks, & open flames. No Smoking (P210)

KEEP OUT OF REACH OF CHILDREN



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Appearance : Clear / Reddish-Orange **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 (d ' Limonene)	5989-27-5	80-99	
Methyl Soyate	67784-80-9	10-20	

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

SECTION 4 : FIRST AID MEASURES (CONTINUED)

NO INGREDIENTS ARE SUSPECTED TO BE HUMAN CARCINOGENS BY OSHA, NTP , IARC .

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 .Launder contaminated clothes before re-use . If irritation persists, seek medical attention .

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. If irritation persists, seek medical attention .



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SECTION 4 : FIRST AID MEASURES (CONTINUED)

Inhalation 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. If irritation persists, seek medical attention .

Ingestion Call a physician or Poison Control Center immediately . Do NOT induce vomiting. Rinse mouth with water immediately and then drink plenty of water. Never give anything by mouth to an unconscious person.

Self-protection of the first aider Remove all sources of ignition. Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms Any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization of susceptible persons. Treat symptomatically.

SECTION 5 : FIRE-FIGHTING MEASURES

Flash Point (°F) : >115 Test Method : Closed Cup
Flammable Limits in Air (Volume %) Upper : 6.1 Lower : 0.7

Suitable extinguishing media
Foam , Carbon Dioxide , Dry Chemical

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.

Flammable Properties
Keep Away from heat, flames, sparks , or other sources of ignition . May form flammable mixture and fumes with air when heated to flash point . Improper ventilation and handling of natural solvent soaked rags may cause spontaneous combustion . Keep all affected materials in a covered , sealed , fire-rated metal container . Before disposal , wash rags with soap and water ; and dry in a well ventilated area or store in a fireproof container with no other flammable or combustible materials present .

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 equivalent) and full protective gear.



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SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Extinguish 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.
Environmental precautions	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

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Pick up and transfer to properly labeled closed containers. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, universal binder, sawdust) for disposal .
Waste Disposal Method	Notify local environmental authorities

SECTION 7 : HANDLING AND STORAGE

Precautions for safe handling

Store in a cool , dry place away from heat or open flames .

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.
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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	Strong Oxidizing & Acidic Agents ; Peroxides ; Halogen, Vinyl Chloride, and Iodine Pentafluoride .

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

Effects of Over Exposure

IF IN EYES : Moderate to high irritation , redness, tearing .

IF ON SKIN : Irritation , drying, defatting, dermatitis (with repeated and prolonged contact) . Contains a potential skin sensitizer .

IF SWALLOWED : HARMFUL -- gastrointestinal irritation , nausea , vomiting , diarrhea .

IF INHALED : Remove to fresh air . Light-headedness , dizziness , fainting



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SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles). Wear a face shield if splash hazard exists
Skin and body protection	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Chemical resistant gloves .
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.

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.
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Appropriate engineering controls

Engineering Controls	Showers, Eyewash stations & Ventilation systems.
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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES (CONTINUED)

Information on basic physical and chemical properties

Physical state :	Liquid
Appearance :	Clear / Reddish-Orange
Color :	Colorless
Odor :	Citrus
Odor threshold :	No Information available

Properties

pH :	Not an Aqueous Solution
Specific Gravity (water = 1) :	0.838-0.843
VOC Content (% by weight) :	> 90.0 (Density Lbs/Gal --762.72 grams per liter)
Evaporation Rate (water = 1) :	> 1.0
Viscosity :	Water Thin
Melting point/freezing point :	No Information available
Flash point :	>115 °F
Boiling point / boiling range :	218 °F , 103 °C



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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES (CONTINUED)

Freezing Point :	N/A
Melting Point :	N/A
Evaporation rate (butyl acetate = 1)	0.2
Flammability (solid, gas)	YES
<u>Flammability Limits in Air</u>	
Upper flammability limit:	6.1
Lower flammability limit:	0.7
Vapor pressure (mmHg)	2.0
Density Lbs/Gal	7.00
Vapor density	No Information available
Water solubility	Insoluble
Partition coefficient	No Information available
Autoignition temperature	No Information available
Decomposition temperature	No Information available

SECTION 10 : STABILITY AND REACTIVITY

Stability

Stable

Chemical stability

Stable under recommended storage conditions.

Reactivity

No data available

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Decomposition Products

Thermal decomposition may yield oxides of carbon .

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

Strong Oxidizing & Acidic Agents ; Peroxides ; Halogen, Vinyl Chloride, and Iodine Pentafluoride .

Hazardous Polymerization

Will not occur .

Hazardous Decomposition Products

None known based on information supplied.



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SECTION 11 : TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information Harmful by inhalation and in contact with eyes and skin.

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.

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

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

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Orange Terpenes CAS# 5989-27-5	= 4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	Yes
Methyl Soyate – CAS# 67784-80-9	> 17.4 g/Kg (Rat)	NA	> 1000 mg/L (Bluegill)

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.



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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.

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity

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

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Orange Terpenes CAS# 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
Methyl Soyate CAS# 67784-80-9	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



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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

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



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SECTION 16 : OTHER INFORMATION

Physical / Chemical Properties : Yes

Personal Protection : B

HMIS _____ Health hazards 1

Flammability 2

Physical hazards 0

Chemical Name	GHS classification ratings order of severity differ from NFPA and HMIS	
HEALTH 1	HMIS/NFPA Hazard Ratings	GHS Hazard Categories
FLAMMABILITY 2	0= Minimal Hazard	Cat 1 ~ Severe Hazard
PHYSICAL HAZARD 0	1= Slight Hazard	Cat 2 ~ Serious Hazard
PERSONAL PROTECTION B	2= Moderate Hazard	Cat 3 ~ Moderate Hazard
	3= Serious Hazard	Cat 4 ~ Slight Hazard
	4= Severe Hazard	Cat 5 ~ Minimal Hazard

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 Revision Note No Information available

DISCLAIMER : This document is intended to provide a brief summary of our present knowledge and guidance regarding the use of this material . The information set forth herein has been compiled from sources to be dependable and is believed be accurate as of the date of issuance . This information is offered in good faith by HEALTHY CLEAN BUILDINGS and warranty, expressed or implied, is made .The user assumes all liability for any damage or injury resulting from misuse, any failure to adhere to recommended practices according to product label (and such), or from any hazards inherent nature of the product . This document shall not constitute a guarantee for any specific product features and shall not a legally valid contracted relationship.

Footnotes : CALC-Calculated; COR-Corrosive; CS-Cancer Suspect Agent; EST-Estimated; HMIS-Hazardous Material Identification System; NA-Not Applicable; ND-No Data ; NE – Data Not Established; OX- Oxidizer; PEL-Permissible Exposure Limit; PPI-Personal Protection Index ; STEL-Short Time Exposure Limit; TLV-Threshold Limit Value; TWA-Time Weighted Average