

SAFETY DATA SHEET

Issuing Date 19-Feb-2014

Revision Date 19-Feb-2014

Revision Number 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name Cucumber Melon (air freshener cartridge)

Other means of identification

UN-Number UN1169

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Fragrances

Uses advised against No information available

Supplier's details

Manufacturer Address Impact
Products LLC
2840 Centennial Road
Toledo, Ohio 43617-1898

Emergency telephone number

Company Phone Number Phone: 800.333.1541
Fax: 800.333.1531
Email: custserv@impact-products.com

Emergency Telephone (24 hr) INFOTRAC 1-352-323- 3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification


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

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Skin Sensitization	Sub-category 1B
Aspiration Toxicity	Category 1

Flammable liquids	Category 3
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GHS Label elements, including precautionary statements

Emergency Overview

<p>Signal Word Hazard Statements</p> <ul style="list-style-type: none"> • Causes skin irritation • Causes serious eye irritation • May cause an allergic skin reaction • May be fatal if swallowed and enters airways • • Flammable liquid and vapor. 	<p>Warning</p>	<p>Appearance Pale red to red</p>	<p>Physical State Liquid.</p>	<p>Odor Citrus</p>
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Precautionary Statements

Prevention

- Wash face, hands and any exposed skin thoroughly after handling
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Contaminated work clothing should not be allowed out of the workplace
- Keep away from heat/sparks/open flames/hot surfaces - No smoking
- Keep container tightly closed
- Ground/bond container and receiving equipment
- Use explosion-proof electrical/ventilating/lighting/equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge
- Wear protective gloves/protective clothing/eye protection/face protection.

General Advice

- None

Eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention.

Skin

- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower • If skin irritation or rash occurs: Get medical advice/attention
- Wash contaminated clothing before reuse.

Ingestion

- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
- Do NOT induce vomiting.

Fire

- In case of fire: Use CO2, dry chemical, or foam for extinction.

Storage

- Store locked up
- Store in a well-ventilated place. Keep cool.

Disposal

- Dispose of contents/container to an approved waste disposal plant.

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information

Very toxic to aquatic life Very toxic to aquatic life with long lasting effects

0% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
D-Limonene	5989-27-5	39.6
Decanal	112-31-2	20
Linalool	78-70-6	16.8
Octanal	124-13-0	10
Citral	5392-40-5	5
Terpinolene	586-62-9	3.8
Diethyl malonate	105-53-3	3
2H-Pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)-	63500-71-0	3
p-Cymene	99-87-6	2.3
.alpha.-Pinene	80-56-8	2.3
Allyl caproate	123-68-2	2
Methyl anthranilate	134-20-3	1
Geraniol	106-24-1	1
Acetic acid, 2-phenylethyl ester	103-45-7	1
3-hexenol	928-96-1	1
3,6-dimethylcyclohex-3-ene-1-carbaldehyde	67801-65-4	1
2-ethyl-3-hydroxy-4-pyrone	4940-11-8	1
2-Buten-1-one, 1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-	57378-68-4	1
2,6-Octadienal, 3,7-dimethyl-, acid-isomerized	90480-35-6	1
2,4-dimethyl-3-cyclohexene carboxaldehyde	68039-49-6	1
2,12-Tridecadienenitrile-(E)	124071-40-5	1
Butanamide, 2-ethyl-N-methyl-N-(3-methylphenyl)-	406488-30-0	0.3

4. FIRST AID MEASURES

Description of necessary first-aid measures

General Advice If swallowed, get medical help or contact a Poison Control Center right away.
Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation persists.
Skin Contact IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Remove and wash contaminated clothing before re-use.
Inhalation Remove to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician if exposed or you feel unwell
Ingestion Call a physician or Poison Control Center immediately. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects May cause allergic skin reaction. Irritation.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Aspiration hazard. May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use: Carbon dioxide (CO₂). Foam. Dry chemical.

Unsuitable Extinguishing Media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

Explosion Data

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge Yes.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information

Methods and materials for containment and cleaning up

Methods for Containment Dike far ahead of liquid spill for later disposal.

Methods for Cleaning Up Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Non-sparking tools should be used. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only in area provided with appropriate exhaust ventilation. Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.

Conditions for safe storage, including any incompatibilities

Storage Keep away from open flames, hot surfaces and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place.

Incompatible Products Strong oxidizing agents. Strong acids. Strong bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Citral 5392-40-5	TWA: 5 ppm inhalable fraction and vapor S*	-	-
.alpha.-Pinene 80-56-8	TWA: 20 ppm	-	-
2,6-Di-tert-butyl-p-cresol 128-37-0	TWA: 2 mg/m ³ inhalable fraction and vapor	(vacated) TWA: 10 mg/m ³	TWA: 10 mg/m ³

Appropriate engineering controls

Engineering Measures Showers. Eyewash stations. Explosion proof ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles.

Skin and Body Protection Wear protective gloves/clothing.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures Do not eat, drink or smoke when using this product. Provide regular cleaning of equipment, work area and clothing. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical

and chemical properties

Physical State	Liquid	Appearance	Pale red to red
Odor	Citrus	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
	No data available	
pH		None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	53 °C / 127.4 °F	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air upper flammability limit	No data available No data available	
lower flammability limit	No data available	
Vapor Pressure		None known
Vapor Density	No data available	None known
Specific Gravity	No data available.	None known
Water Solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known

Flammable Properties Flammable.

Explosive Properties No data available

Oxidizing Properties No data available

Other information

VOC Content (%) No data available

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

None known based on information supplied.

Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation May cause irritation of respiratory tract.

Eye Contact Irritating to eyes.

Skin Contact Irritating to skin.

Ingestion May be fatal if swallowed and enters airways.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
D-Limonene	5000 mg/kg (Rat)	>5000 mg/kg (Rabbit)	-

n-Hexyl acetate	= 41500 µL/kg (Rat)	> 5 g/kg (Rabbit)	-
Citral	= 4950 mg/kg (Rat)	= 2250 mg/kg (Rabbit) > 2000 mg/kg (Rat)	-
.alpha.-Pinene	= 2100 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
p-Cymene	= 3669 mg/kg (Rat)	-	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Irritation

Delayed and immediate effects and also chronic effects from short and long term exposure

Skin corrosion/irritation Irritating to skin.
Eye damage/irritation Irritating to eyes.
Sensitization No information available. **Mutagenic Effects** No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
D-Limonene		Group 3	-	-

Reproductive Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard May be fatal if swallowed and enters airways

Numerical measures of toxicity - Product

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

12. ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a marine pollutant according to DOT.

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
D-Limonene 5989-27-5		LC50 96 h: 0.619 - 0.796 mg/L flow-through (Pimephales promelas) LC50 96 h: = 35 mg/L (Oncorhynchus mykiss)		
Decanal 112-31-2			EC50 = 2.90 mg/L 25 min EC50 = 3.59 mg/L 15 min EC50 = 4.71 mg/L 5 min	
Linalool 78-70-6	EC50 96 h: = 88.3 mg/L (Desmodesmus subspicatus)	LC50 96 h: 22-46 mg/L static (Leuciscus idus)		EC50 48 h: = 20 mg/L (Daphnia magna)
n-Hexyl acetate 142-92-7		LC50 96 h: 3.7-4.4 mg/L flow-through (Pimephales promelas)		
Citral 5392-40-5	EC50 72 h: = 16 mg/L (Desmodesmus subspicatus) EC50 96 h: = 19 mg/L (Desmodesmus subspicatus)	LC50 96 h: 4.6-10 mg/L static (Leuciscus idus)	EC50 = 2100 mg/L 30 min	EC50 48 h: = 7 mg/L (Daphnia magna)
Diethyl malonate 105-53-3	EC50 72 h: = 508.2 mg/L (Desmodesmus subspicatus)	LC50 96 h: 10.3-13.4 mg/L flow-through (Pimephales promelas)	EC50 = 3097 mg/L 16 h	EC50 48 h: = 202.3 mg/L (Daphnia magna)
.alpha.-Pinene 80-56-8		LC50 96 h: = 0.28 mg/L static (Pimephales promelas)		LC50 48 h: = 41 mg/L (Daphnia magna)
Allyl caproate 123-68-2		LC50 96 h: = 30 mg/L (Carassius auratus)		

3-hexenol 928-96-1		LC50 96 h: 352-412 mg/L flow-through (Pimephales promelas)		
2,6-Di-tert-butyl-p-cresol 128-37-0	EC50 72 h: = 6 mg/L (Pseudokirchneriella subcapitata) EC50 72 h: > 0.42 mg/L (Desmodesmus subspicatus)	LC50 48 h: = 5 mg/L (Oryzias latipes)	EC50 = 7.82 mg/L 5 min EC50 = 8.57 mg/L 15 min EC50 = 8.98 mg/L 30 min	

Persistence and Degradability No information available.

Bioaccumulation No information available.

Chemical Name	Log Pow
Linalool	3.1
Citral	2.76
Diethyl malonate	0.96
p-Cymene	4.1
.alpha.-Pinene	4.1

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated Packaging Do not re-use empty containers. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. Empty containers should be taken to an approved waste handling site for recycling or disposal.

US EPA Waste Number D001

14. TRANSPORT INFORMATION

DOT

UN-Number UN1169
Proper shipping name Extracts, aromatic, liquid
Hazard Class 3
Packing Group III
Marine Pollutant This product contains a chemical which is listed as a marine pollutant according to DOT.
Description UN1169, Extracts, aromatic, liquid, 3, III
Emergency Response Guide Number 127

TDG

UN-Number UN1169
Proper Shipping Name Extracts, aromatic, liquid
Hazard Class 3
Packing Group III
Marine Pollutant This product contains a chemical which is listed as a marine pollutant according to TDG.
Description UN1169, Extracts, aromatic, liquid, 3, III

MEX

UN-Number UN1169

Proper Shipping Name Extracts, aromatic, liquid
Hazard Class 3
Packing Group III
Description UN1169, Extracts, aromatic, liquid, 3, III

ICAO

UN-Number UN1169
Proper shipping name Extracts, aromatic, liquid
Hazard Class 3
Packing Group III
Description UN1169, Extracts, aromatic, liquid, 3, III

IATA

UN-Number UN1169
Proper Shipping Name Extracts, aromatic, liquid
Hazard Class 3
Packing Group III
ERG Code 3L
Description UN1169, Extracts, aromatic, liquid, 3, III

IMDG/IMO

UN-Number UN1169
Proper Shipping Name Extracts, aromatic, liquid
Hazard Class 3
Packing Group III
EmS No. F-E, S-D
Marine Pollutant This mixture meets the IMDG criteria for being a marine pollutant.
Description UN1169, Extracts, aromatic, liquid, 3, III, (53°C c.c.)

RID

UN-Number UN1169
Proper Shipping Name Extracts, aromatic, liquid
Hazard Class 3
Packing Group III
Classification Code F1
Description UN1169, Extracts, aromatic, liquid, 3, III

ADR

UN-Number UN1169
Proper Shipping Name Extracts, aromatic, liquid
Hazard Class 3
Packing Group III
Classification Code F1
Tunnel Restriction Code (D/E)
Description UN1169, Extracts, aromatic, liquid, 3, III, (D/E)
ADR/RID-Labels 3

ADN

Proper Shipping Name Extracts, aromatic, liquid
Hazard Class 3
Packing Group III
Classification Code F1
Special Provisions 601, 604E
Description UN1169, Extracts, aromatic, liquid, 3, III
Limited Quantity 5 L
Ventilation VE01

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
 DSL Complies

Legend

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

U.S. Federal Regulations

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 Yes
 Fire Hazard Yes
 Sudden Release of Pressure Hazard No
 Reactive Hazard No

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.

U.S. 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	Illinois	Rhode Island
D-Limonene	X			X	
Octanal		X			
Terpinolene	X				
Diethyl malonate	X				
.alpha.-Pinene	X	X	X		

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA Health Hazard 2 Flammability 2 Instability 0 Physical and Chemical Hazards -

HMIS Health Hazard 2* Flammability 2 Physical Hazard 0 Personal Protection X

Prepared By Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

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General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet