

SAFETY DATA SHEET



Ozium® AIR SANITIZER SPRAY CITRUS

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/03/2019	600000001314	Date of first issue: 10/03/2019

SECTION 1. IDENTIFICATION

Product name : AC OZIUM .8OZ CITRUS 48/6

Product code : OZ-62

Manufacturer or supplier's details

Company name of supplier : Niteo Products, LLC

Address : Dallas TX 75225

Email Address : EHS@niteoproducts.com

Telephone : 1-844-696-4836

Emergency telephone number : 1-800-424-9300 / 1-703-741-5970

Recommended use of the chemical and restrictions on use

Recommended use : AIR FRESHENER

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Flammable aerosols : Category 1

Eye irritation : Category 2A

Skin sensitisation : Category 1

Specific target organ toxicity
- single exposure : Category 3 (Central nervous system)

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Extremely flammable aerosol.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause drowsiness or dizziness.

Precautionary statements : **Prevention:**
Keep away from heat/sparks/open flames/hot surfaces. No

Ozium® AIR SANITIZER SPRAY CITRUS

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/03/2019	600000001314	Date of first issue: 10/03/2019

smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/ eye protection/ face protection.

Response:

IF ON SKIN: Wash with plenty of soap and water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
Wash contaminated clothing before reuse.

Storage:

Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Disposal:

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

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Isopropanol	67-63-0	>= 30 - < 50
1,1-Difluoroethane	75-37-6	>= 5 - < 10
Propylene glycol	57-55-6	>= 1 - < 5
Orange terpenes	68647-72-3	>= 0.1 - < 1
Citrus Aurantium Dulcis Oil	8008-57-9	>= 0.1 - < 1

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

SAFETY DATA SHEET



Ozium® AIR SANITIZER SPRAY CITRUS

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/03/2019	600000001314	Date of first issue: 10/03/2019

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| If inhaled | : Move to fresh air.
Consult a physician after significant exposure.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician. |
| In case of skin contact | : Remove contaminated clothing. If irritation develops, get medical attention.
If on skin, rinse well with water. |
| In case of eye contact | : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist. |
| If swallowed | : Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician. |
| Most important symptoms and effects, both acute and delayed | : May cause an allergic skin reaction.
Causes serious eye irritation.
May cause drowsiness or dizziness. |

SECTION 5. FIREFIGHTING MEASURES

- | | |
|---|--|
| Suitable extinguishing media | : Water spray
Carbon dioxide (CO2)
Dry chemical
Alcohol-resistant foam |
| Unsuitable extinguishing media | : High volume water jet |
| Specific hazards during fire-fighting | : Do not allow run-off from fire fighting to enter drains or water courses. |
| Hazardous combustion products | : Carbon oxides
Halogenated compounds |
| Specific extinguishing methods | : Product is compatible with standard fire-fighting agents. |
| Further information | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Use a water spray to cool fully closed containers. |
| Special protective equipment for firefighters | : In the event of fire, wear self-contained breathing apparatus. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

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| Personal precautions, protection | : Use personal protective equipment. |
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Ozium® AIR SANITIZER SPRAY CITRUS

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/03/2019	600000001314	Date of first issue: 10/03/2019

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| tive equipment and emergency procedures | | Remove all sources of ignition.
Ensure adequate ventilation.
Avoid breathing dust.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Evacuate personnel to safe areas.
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. |
| 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.
If the product contaminates rivers and lakes or drains inform respective authorities. |

SECTION 7. HANDLING AND STORAGE

- | | | |
|---|---|--|
| Advice on protection against fire and explosion | : | Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).
Keep away from open flames, hot surfaces and sources of ignition.
Use only explosion-proof equipment.
Do not spray on a naked flame or any incandescent material. |
| Advice on safe handling | : | Open drum carefully as content may be under pressure.
Provide sufficient air exchange and/or exhaust in work rooms.
Do not breathe vapours/dust.
Do not smoke.
Take precautionary measures against static discharges.
Avoid contact with skin and eyes.
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
Dispose of rinse water in accordance with local and national regulations.
Container hazardous when empty.
Smoking, eating and drinking should be prohibited in the application area.
For personal protection see section 8. |
| Conditions for safe storage | : | BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.
Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
No smoking. |
| Further information on storage stability | : | No decomposition if stored and applied as directed. |

Ozium® AIR SANITIZER SPRAY CITRUS

Version 1.0 Revision Date: 10/03/2019 SDS Number: 600000001314 Date of last issue: -
Date of first issue: 10/03/2019

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Isopropanol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m ³	NIOSH REL
		ST	500 ppm 1,225 mg/m ³	NIOSH REL
		TWA	400 ppm 980 mg/m ³	OSHA Z-1
		TWA	400 ppm 980 mg/m ³	OSHA P0
		STEL	500 ppm 1,225 mg/m ³	OSHA P0
1,1-Difluoroethane	75-37-6	TWA	1,000 ppm	US WEEL
Propylene glycol	57-55-6	TWA	10 mg/m ³	US WEEL
Citrus Aurantium Dulcis Oil	8008-57-9	TWA (mist - total)	10 mg/m ³	NIOSH REL
		TWA (mist - respirable)	5 mg/m ³	NIOSH REL

Hazardous components without workplace control parameters

Components	CAS-No.
Orange terpenes	68647-72-3

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Isopropanol	67-63-0	Acetone	Urine	End of shift at end of work-week	40 mg/l	ACGIH BEI

Engineering measures : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
In the case of dust or aerosol formation use respirator with an approved filter.

Hand protection

Remarks : Wear resistant gloves (consult your safety equipment supplier). The suitability for a specific workplace should be dis-

SAFETY DATA SHEET



Ozium® AIR SANITIZER SPRAY CITRUS

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/03/2019	600000001314	Date of first issue: 10/03/2019

- cussed with the producers of the protective gloves. Discard gloves that show tears, pinholes, or signs of wear.
- Eye protection : Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.
- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Wear as appropriate:
Impervious clothing
Flame-resistant clothing
Safety shoes
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
When using do not smoke.
When using do not eat or drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : aerosol
- Colour : colourless
- Odour : citrus
- Odour Threshold : not determined
- pH : not determined
- Melting point/freezing point : not determined
- Boiling point/boiling range : not determined
- Flash point : < 23 °C
Method: closed cup
- Evaporation rate : not determined
- Flammability (solid, gas) : not determined
- Self-ignition : not determined
- Upper explosion limit / Upper flammability limit : not determined
- Lower explosion limit / Lower flammability limit : not determined
- Vapour pressure : not determined
- Density : not determined
- Solubility(ies)
Water solubility : completely miscible

SAFETY DATA SHEET



Ozium® AIR SANITIZER SPRAY CITRUS

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/03/2019	600000001314	Date of first issue: 10/03/2019

Partition coefficient: n-octanol/water	:	not determined
Decomposition temperature	:	not determined
Viscosity	:	
Viscosity, dynamic	:	not determined
Viscosity, kinematic	:	not determined
Molecular weight	:	No data available
VOC % By Weight	:	69.28 %

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed. Vapours may form explosive mixture with air.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	Carbon oxides Halogenated compounds

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation
Eye contact
Skin contact
Ingestion

Acute toxicity

Not classified based on available information.

Product:

Acute dermal toxicity	:	Remarks: Skin absorption of this material (or a component) may be increased through injured skin.
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Components:

Isopropanol:

Acute oral toxicity	:	LD50 (Rat): 5.84 g/kg
Acute inhalation toxicity	:	LC50 (Rat): 16000 ppm Exposure time: 4 h Test atmosphere: vapour

SAFETY DATA SHEET



Ozium® AIR SANITIZER SPRAY CITRUS

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/03/2019	600000001314	Date of first issue: 10/03/2019

Acute dermal toxicity : LD50 (Rabbit): 12,800 mg/kg

1,1-Difluoroethane:

Acute inhalation toxicity : LC50 (Rat): 437500 ppm
Exposure time: 4 h
Test atmosphere: gas

Propylene glycol:

Acute oral toxicity : LD50 (Rat): 21.0 - 33.7 g/kg

Acute dermal toxicity : LD50 (Rabbit): 28 g/kg

Orange terpenes:

Acute oral toxicity : LD50 (Rat, male): 4,400 mg/kg
Remarks: Information given is based on data obtained from similar substances.

LD50 (Rat, female): 5,200 mg/kg
Remarks: Information given is based on data obtained from similar substances.

Acute dermal toxicity : LD50 (Rabbit): Remarks: Information given is based on data obtained from similar substances.

Citrus Aurantium Dulcis Oil:

Acute oral toxicity : LD50 (Rat): > 5 g/kg

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks: May cause skin irritation in susceptible persons.

Components:

Isopropanol:

Result: Possibly irritating to skin

Propylene glycol:

Assessment: No skin irritation

Result: No skin irritation

Orange terpenes:

Result: Irritating to skin.

Remarks: Information given is based on data obtained from similar substances.

Citrus Aurantium Dulcis Oil:

Result: Irritating to skin.

Ozium® AIR SANITIZER SPRAY CITRUS

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/03/2019	600000001314	Date of first issue: 10/03/2019

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

Components:**Isopropanol:**

Result: Irritating to eyes.

Propylene glycol:

Result: Possibly irritating to eyes

Orange terpenes:

Result: Possibly irritating to eyes

Remarks: Information given is based on data obtained from similar substances.

Citrus Aurantium Dulcis Oil:

Result: Possibly irritating to eyes

Respiratory or skin sensitisation**Skin sensitisation**

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

Product:

Remarks: May cause allergic skin reaction.

Components:**Orange terpenes:**

Assessment: May cause sensitisation by skin contact.

Remarks: Information given is based on data obtained from similar substances.

Citrus Aurantium Dulcis Oil:

Assessment: May cause sensitisation by skin contact.

Germ cell mutagenicity

Not classified based on available information.

Components:**1,1-Difluoroethane:**

Genotoxicity in vitro	:	Test Type: Ames test
		Test system: Salmonella typhimurium
		Metabolic activation: with and without metabolic activation

SAFETY DATA SHEET



Ozium® AIR SANITIZER SPRAY CITRUS

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/03/2019	600000001314	Date of first issue: 10/03/2019

Result: negative

Carcinogenicity

Not classified based on available information.

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

May cause drowsiness or dizziness.

Components:

Isopropanol:

Assessment: May cause drowsiness or dizziness.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Components:

Orange terpenes:

May be harmful if swallowed and enters airways.

Citrus Aurantium Dulcis Oil:

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Additional ecological information

: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life with long lasting effects.

Ozium® AIR SANITIZER SPRAY CITRUS

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/03/2019	600000001314	Date of first issue: 10/03/2019

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues	:	Dispose of in accordance with all applicable local, state and federal regulations.
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

Dangerous goods descriptions (if indicated below) may not reflect quantity, end-use, or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

International Regulations**IATA-DGR**

UN/ID No.	:	UN 1950
Proper shipping name	:	Aerosols, flammable
Class	:	2.1
Packing group	:	Not assigned by regulation
Labels	:	2.1
Packing instruction (cargo aircraft)	:	203
Packing instruction (passenger aircraft)	:	203

IMDG-Code

UN number	:	UN 1950
Proper shipping name	:	AEROSOLS
Class	:	2.1
Packing group	:	Not assigned by regulation
Labels	:	2.1
EmS Code	:	F-D, S-U
Marine pollutant	:	no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations**49 CFR**

UN/ID/NA number	:	UN 1950
Proper shipping name	:	Aerosols
Class	:	2.1
Packing group	:	Not assigned by regulation
Labels	:	2.1
ERG Code	:	126
Marine pollutant	:	no

SAFETY DATA SHEET



Ozium® AIR SANITIZER SPRAY CITRUS

Version 1.0 Revision Date: 10/03/2019 SDS Number: 600000001314 Date of last issue: -
Date of first issue: 10/03/2019

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Hydrochloric acid	7647-01-0	5000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Hydrochloric acid	7647-01-0	5000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids)
Serious eye damage or eye irritation
Respiratory or skin sensitisation
Specific target organ toxicity (single or repeated exposure)

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

Isopropanol 67-63-0 >= 30 - < 50 %

California Prop. 65

Proposition 65 warnings are not required for this product based on the results of a risk assessment.

SAFETY DATA SHEET



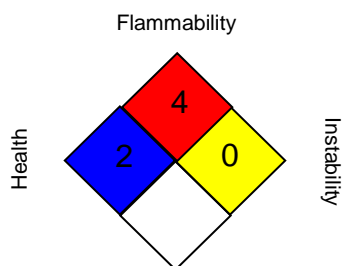
Ozium® AIR SANITIZER SPRAY CITRUS

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/03/2019	600000001314	Date of first issue: 10/03/2019

SECTION 16. OTHER INFORMATION

Further information

NFPA:



Special hazard.

Revision Date : 10/03/2019

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 a 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.

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