

ZYNSONIC ZYN-01XX AIR FRESHENERS

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name Mixture
CAS No. Mixture
Trade Name ZYNSONIC ZYN-0101,0102,0103,0104,0105,0106,0107,0108,0109, 0110,0111,0112,0113,0114,0115 AIR FRESHENERS
Product Code 500765,500766,500768,500769,500770,500771,500772,500773,500774,500775,500776,500777,500808,500907

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) Air Freshener
Uses Advised Against None

Company Identification Apex International Group, Inc.
P.O. Box 14607
North Palm Beach, FL 33408

Telephone (561) 656-0850
Fax (561) 656-0870
E-Mail (competent person) apex@apexig.com

Emergency telephone number

Emergency Phone No. **Transportation Emergency:** CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)

Flam. Aerosol 1; Liquefied gas; STOT SE 3; Skin Irrit. 2; Eye Irrit. 2

Label elements

Hazard Symbol



DANGER

Signal word(s)

Hazard Statement(s)

Flammable aerosol.

Contains gas under pressure; may explode if heated.

May cause drowsiness or dizziness.

Causes serious eye irritation.

Repeated exposure may cause skin dryness or cracking.

Precautionary Statement(s)

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.

Do not get in eyes. Avoid contact with skin.

Other hazards:

None

Additional Information:

None

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt. *	CAS No.	Hazard classification
Acetone	> 70	67-64-1	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
Propane	10 - 15	74-98-6	Flam. Gas 1, H220 Press. Gas (*)
Butane	10 - 15	106-97-8	Flam. Gas 1, H220 Press. Gas (*)
Ordenone	< 1	Proprietary	Eye Irrit. 2; H319 Skin Irrit. 2; H315.
Cinnamon	0 – 3.5	Proprietary	Eye Irrit. 2; H319 Skin Irrit. 2; H315.
Cranberry	0 – 3.5	Proprietary	Eye Irrit. 2; H319 Skin Irrit. 2; H315.
Cucumber Melon	0 – 3.5	Proprietary	Eye Irrit. 2; H319 Skin Irrit. 2; H315.
Fresh Linen	0 – 3.5	Proprietary	Eye Irrit. 2; H319 Skin Irrit. 2; H315.
Orange	0 – 3.5	Proprietary	Eye Irrit. 2; H319 Skin Irrit. 2; H315.
Mango	0 – 3.5	Proprietary	Eye Irrit. 2; H319 Skin Irrit. 2; H315.
Mountain Breeze	0 – 3.5	Proprietary	Eye Irrit. 2; H319 Skin Irrit. 2; H315.
Mulberry	0 – 3.5	Proprietary	Eye Irrit. 2; H319 Skin Irrit. 2; H315.
Peach	0 – 3.5	Proprietary	Eye Irrit. 2; H319 Skin Irrit. 2; H315.
Vanilla	0-3.5	Proprietary	Eye Irrit. 2; H319 Skin Irrit. 2; H315.
Exotic Garden	0-3.5	Proprietary	Eye Irrit. 2; H319 Skin Irrit. 2; H315.
Baby Powder	0–3.5	Proprietary	Eye Irrit. 2; H319 Skin Irrit. 2; H315.
Floral Bouquet	0-3.5	Proprietary	Eye Irrit. 2; H319 Skin Irrit. 2; H315.
Fabulous Lav	0-3.5	Proprietary	Eye Irrit. 2; H319 Skin Irrit. 2; H315.
Macintosh Apple	0 – 3.5	Proprietary	Eye Irrit. 2; H319 Skin Irrit. 2; H315.

Additional Information - None

* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation

Not normally required. Move person to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention.

Skin Contact

Not normally required. Wash affected skin with soap and water. If symptoms develop, obtain medical attention.

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Eye Contact	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.
Ingestion	Unlikely to be required but if necessary treat symptomatically.

Most important symptoms and effects, both acute and delayed Irritating to eyes.

Indication of any immediate medical attention and special treatment needed None

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

-Suitable Extinguishing Media	Extinguish with carbon dioxide, dry chemical, foam or water spray.
-Unsuitable Extinguishing Media	Do not use water jet.

Special hazards arising from the substance or mixture Highly flammable vapor (flash point below 23°C).

Advice for fire-fighters A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Avoid breathing vapors.

Environmental precautions Prevent liquid entering sewers, basements and work pits.

Methods and material for containment and cleaning up Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

Reference to other sections None

Additional Information None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Avoid breathing vapors.

Conditions for safe storage, including any incompatibilities

-Storage temperature Keep in a cool, well ventilated place. Store at temperatures not exceeding 50 °C / 122 °F.

-Incompatible materials This product should be stored away from sources of strong heat or oxidizing chemicals.

Specific end use(s) Air Freshener

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

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SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Acetone	67-64-1	1000	500	-----	750	^NIC
n-Butane	106-97-8	-----	250 ppm	-----	-----	-----
Propane	74-98-6	1000 ppm	Aspyx.#	-----	-----	#

^NIC = Notice of Intended Changes (ACGIH®)

Recommended monitoring method

NIOSH 1300 (Ketones I); NIOSH 1500 (hydrocarbons, B.P. 36 - 126 °C) ; NIOSH 1501 (Hydrocarbons, Aromatic)

Exposure controls

Appropriate engineering controls

Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.

Personal protection equipment

Eye/face protection

Not normally required. Do not get in eyes.



Skin protection (Hand protection/ Other)

Wear suitable gloves if prolonged skin contact is likely. Check with protective equipment manufacturer's data.



Respiratory protection

Normally no personal respiratory protection is necessary.



Thermal hazards

Not normally required.

Environmental Exposure Controls

None known

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid / Aerosol
Color.	Clear
Odor	Not available
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	56 (Acetone)
Flash Point (°C)	-17 (Acetone)
Evaporation Rate	Not available
Flammability (solid, gas)	Flammable aerosol.
Explosive Limit Ranges	2.1% - 9.5% v/v (Propane)
Vapor pressure (Pascal)	ca. 95 x 10 ⁴ (Propane)
Vapor Density (Air=1)	ca. 1.56 @ 0°C (Propane)
Density (g/ml)	Not available
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	450 (Propane)
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	< 20.5 @ 40 0°C
Explosive properties	Not explosive.

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Oxidizing properties

Not oxidizing.

Other information

Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Avoid contact with heat and ignition sources.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition product(s)	Carbon monoxide, Carbon dioxide, Acrid smoke

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects

Acetone (CAS No. 67-64-1)

Acute toxicity	Oral LD50 = 5800 mg/kg (rat) Dermal LD50 >15800 mg/kg (rabbit) Inhalation LC50 76 mg/L (4 hour(s)) (rat) - Vapours may cause drowsiness and dizziness.
Irritation / Corrosivity	Causes serious eye irritation. Repeated exposure may cause skin dryness or cracking.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	Oral NOAEL = 900 mg/kg/day (rat) (90-days) Inhalation NOAEL \geq 19,000 ppm (rat)
Carcinogenicity	It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

Mutagenicity	Negative
Toxicity for reproduction	Negative
Other information	None known.

Propane (CAS# 74-98-6):

Acute toxicity	Inhalation: LC50 = 1237 mg/L (2-hr, mouse, gas)
Irritation/Corrosivity	No evidence of irritant effects from normal handling and use.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	NOAEC: \geq 19678 mg/m ³ (28-day, rat, Systemic effects) LOAEC: 21641 mg/m ³ (28-day, rat, effects: Body weight)
Carcinogenicity	No data. It is unlikely to present a carcinogenic hazard to man.
Mutagenicity	There is no evidence of mutagenic potential.
Reproductive toxicity	None anticipated

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Short term (estimated / calculated)	LC50 (96 hour): >100 mg/L (fish) LC50 (48 hour): >100 mg/L (crustacea) LC50 (72 hour): >100 mg/L (algae)
Long Term	No data
Persistence and degradability	Readily biodegradable.
Bioaccumulative potential	The product has no potential for bioaccumulation.

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Mobility in soil
Results of PBT and vPvB assessment
Other adverse effects

Not available
Not classified as PBT or vPvB.
None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

SECTION 14: TRANSPORT INFORMATION

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
UN number	1950	1950	1950
Proper Shipping Name	Aerosols, flammable	Aerosols, flammable	Aerosols, flammable
Transport hazard class(es)	2.1	2.1	2.1
Packing group	Not applicable	Not applicable	Not applicable
Environmental hazards	None assigned	None assigned	None assigned
Special precautions for user	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

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

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Acetone	67-64-1	40 - 50	5000

SARA 311/312 - Hazard Categories:

☒ Fire ☒ Sudden Release ☐ Reactivity ☒ Immediate (acute) ☐ Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	----	-----

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	-----	-----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: June 22, 2015

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Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

Hazard Statement(s)

- H220: Extremely flammable gas.
- H225: Highly flammable liquid and vapor.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.

Training advice: None.

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