

SAFETY DATA SHEET

1. Identification

Product number	HIL0108355
Product identifier	Wild Berry Metered Air Freshener
Company information	HILLYARD INC 302 North 4th Street St. Joseph, MO 64501 United States
Company phone	816-383-8285
Emergency telephone US	1-800-424-9300
Version #	01
Recommended use	Air Freshener
Recommended restrictions	None known.

2. Hazard(s) identification

Physical hazards	Flammable aerosols	Category 1
	Gases under pressure	Liquefied gas
Health hazards	Serious eye damage/eye irritation	Category 2A
	Sensitization, skin	Category 1
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
OSHA defined hazards	Not classified.	
Label elements	\wedge \wedge \wedge	
	when - 1	
Signal word	Danger	
Hazard statement	Extremely flammable aerosol. Contains gas u allergic skin reaction. Causes serious eye irrit	nder pressure; may explode if heated. May cause an ation. May cause drowsiness or dizziness.
Precautionary statement		
Prevention	flame or other ignition source. Pressurized co breathing gas. Wash thoroughly after handling	surfaces No smoking. Do not spray on an open ntainer: Do not pierce or burn, even after use. Avoid g. Use only outdoors or in a well-ventilated area. ved out of the workplace. Wear eye protection/face
Response	If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. 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. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.	
Disposal	Dispose of contents/container in accordance	with local/regional/national/international regulations.
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 3
	Hazardous to the aquatic environment, long-term hazard	Category 3
Hazard(s) not otherwise classified (HNOC)	None known.	
Supplemental information	None.	

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Acetone		67-64-1	60 - 80
Butane		106-97-8	10 - 20
Propane		74-98-6	10 - 20
Citrus aurantium dulcis (Orange) oil	8008-57-9	1 - 2.5
Ethyl Methyl Phenylglycidate		77-83-8	0.1 - 1
Other components below reportable levels			2.5 - 10

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Not likely, due to the form of the product. In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth.
Most important symptoms/effects, acute and delayed	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.
5. Fire-fighting measures	
Suitable extinguishing media	Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out. In the event of fire and/or explosion do not breathe fumes.

General fire hazards Extremely flammable aerosol. Contents under pressure. Pressurized container may explode when exposed to heat or flame.

6. Accidental release measures

Fire fighting

equipment/instructions

Specific methods

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing gas. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up	Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
Environmental precautions	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Close valve after each use and when empty. Protect cylinders from physical damage; do not drag, roll, slide, or drop. When moving cylinders, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport cylinders. Suck back of water into the container must be prevented. Do not allow backfeed into the container. Purge air from system before introducing gas. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Do not re-use empty containers. Avoid breathing gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Level 3 Aerosol.
	Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in a well-ventilated place. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Stored containers should be periodically checked for general condition and leakage. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

Components	Туре	Value	
Acetone (CAS 67-64-1)	PEL	2400 mg/m3	
		1000 ppm	
Propane (CAS 74-98-6)	PEL	1800 mg/m3	
		1000 ppm	
US. ACGIH Threshold Limit Valu	es		
Components	Туре	Value	
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Butane (CAS 106-97-8)	STEL	1000 ppm	
US. NIOSH: Pocket Guide to Che	emical Hazards		
Components	Туре	Value	
Acetone (CAS 67-64-1)	TWA	590 mg/m3	
		250 ppm	
Butane (CAS 106-97-8)	TWA	1900 mg/m3	
		800 ppm	
Propane (CAS 74-98-6)	TWA	1800 mg/m3	
		1000 ppm	

ACGIH Biological Expos Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	25 mg/l	Acetone	Urine	*
* - For sampling details, p	lease see the sourc	e document.		
Appropriate engineering controls	should be ma or other engin	tched to conditions. If an leering controls to maint ts have not been establis	oplicable, use pro ain airborne leve	hour) should be used. Ventilation rates ocess enclosures, local exhaust ventilation, els below recommended exposure limits. If irborne levels to an acceptable level. Provide
ndividual protection measu	res, such as perso	nal protective equipme	ent	
Eye/face protection	Wear safety g	lasses with side shields	(or goggles).	
Skin protection				
Hand protection	Wear approp supplier.	riate chemical resistant ç	gloves. Suitable g	gloves can be recommended by the glove
Other	Wear approp	Wear appropriate chemical resistant clothing.		
Respiratory protection		If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.		
Thermal hazards	Wear approp	Wear appropriate thermal protective clothing, when necessary.		
General hygiene considerations	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should be allowed out of the workplace.			

9. Physical and chemical properties

Gas.
Aerosol. Liquefied gas.
Not available.
132.89 °F (56.05 °C) estimated
1EC 0.9E (104.4.9C) Dranallant actimated
-156.0 °F (-104.4 °C) Propellant estimated
Not available.
Not available.
plosive limits
2.4 % estimated
11.9 % estimated
Not available.
Not available.
Not available.

Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Heat of combustion (NFPA 30B)	30.26 kJ/g estimated
Oxidizing properties	Not oxidizing.
Percent volatile	95.42 % estimated
Specific gravity	0.726 estimated

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Heat. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Nitrates. Fluorine. Chlorine.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
Skin contact	May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity

Narcotic effects. May cause an allergic skin reaction.

Acute toxicity	Naloolo cholo. May badeo an alorgio bian foabilon.		
Components	Species	Test Results	
Acetone (CAS 67-64-1)			
Acute			
Dermal			
LD50	Guinea pig	> 7426 mg/kg, 24 Hours	
		> 9.4 ml/kg, 24 Hours	
	Rabbit	> 7426 mg/kg, 24 Hours	
		> 9.4 ml/kg, 24 Hours	
Inhalation			
LC50	Rat	55700 ppm, 3 Hours	
		132 mg/l, 3 Hours	
		50.1 mg/l	
Oral			
LD50	Rat	5800 mg/kg	
		2.2 ml/kg	
Butane (CAS 106-97-8)			
<u>Acute</u>			
Inhalation			
LC50	Mouse	1237 mg/l, 120 Minutes	
		52 %, 120 Minutes	

Components	Species		Test Results	
	Rat		1355 mg/l	
Ethyl Methyl Phenylglycidate (CA	S 77-83-8)			
Acute				
Dermal				
LD50	Rat		> 2000 mg/kg, 24 Hours	
Propane (CAS 74-98-6)				
<u>Acute</u>				
Inhalation				
LC50	Mouse		1237 mg/l, 120 Minutes	
	_		52 %, 120 Minutes	
	Rat		1355 mg/l	
			658 mg/l/4h	
* Estimates for product may	be based on ac	lditional component data not shown.		
Skin corrosion/irritation		kin contact may cause temporary irritat	ion.	
Serious eye damage/eye	-	ous eye irritation.		
irritation				
Respiratory or skin sensitizatio	on			
Respiratory sensitization	Not a respira	Not a respiratory sensitizer.		
Skin sensitization	May cause an allergic skin reaction.			
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.			
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.			
IARC Monographs. Overall	Evaluation of	Carcinogenicity		
Not listed.				
OSHA Specifically Regulate	ed Substances	s (29 CFR 1910.1001-1050)		
Not regulated.		Poport on Coroinagono		
US. National Toxicology Pr Not listed.	ogram (NTP) r	Report on Carcinogens		
Reproductive toxicity	This product	t is not expected to cause reproductive	or developmental effects.	
Specific target organ toxicity -	May cause drowsiness and dizziness.			
single exposure	may cauce c			
Specific target organ toxicity - repeated exposure	Not classifie	d.		
Aspiration hazard	Not likelv. dı	ue to the form of the product.		
Chronic effects	Prolonged inhalation may be harmful.			
	-			
12. Ecological informatio				
Ecotoxicity	Harmful to a	quatic life with long lasting effects.		
Components		Species	Test Results	
Acetone (CAS 67-64-1)				
Aquatic				
Crustacea	EC50	Water flea (Daphnia magna)	21.6 - 23.9 mg/l, 48 hours	
Fish	LC50	Rainbow trout, donaldson trout	4740 - 6330 mg/l, 96 hours	

* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water	(log Kow)	
Acetone	-0.24	
Butane	2.89	
Propane	2.36	

(Oncorhynchus mykiss)

Product name: Wild Berry Metered Air Freshener

Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14. Transport information

DOT		
DOT		
UN number		UN1950
	hipping name	Aerosols, flammable, (each not exceeding 1 L capacity)
Transport h	azard class(es)	
Class		2.1
Subsidi	ary risk	-
Label(s)	2.1
Packing gro		Not applicable.
	cautions for user	Not available.
Special pro	visions	N82
Packaging e	exceptions	306
Packaging I	non bulk	None
Packaging I	bulk	None
ΙΑΤΑ		
UN number		UN1950
UN proper s	hipping name	Aerosols, flammable
Transport h	azard class(es)	
Class		2.1
Subsidi	ary risk	
Label(s	•	2.1
Packing gro	•	Not applicable.
Environmer	ntal hazards	No.
ERG Code		10L
Special pre	cautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other inform	nation	
Passen	ger and cargo	Allowed with restrictions.
aircraft	• •	
Cargo a	ircraft only	Allowed with restrictions.
Packaging I	Exceptions	LTD QTY
IMDG		
UN number		UN1950
UN proper s	hipping name	AEROSOLS
Transport h	azard class(es)	
Class		2.1
Subsidi	ary risk	-
Label(s	•	None
Packing gro		Not applicable.
Environmer	•	••
Marine	pollutant	No.
EmS		F-D, S-U
-		

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Packaging Exceptions Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code LTD QTY Not applicable.



General information

Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers: Ensure that containers are firmly secured. Ensure cylinder valve is closed and not leaking. Ensure valve outlet cap nut or plug (where provided) is correctly fitted. Ensure valve protection device (where provided) is correctly fitted. Ensure adequate ventilation. Ensure compliance with applicable regulations.

15. Regulatory information

US federal regulations

S

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

	Standard, 29 CFR 1910.1200.
	Notification (40 CFR 707, Subpt. D)
Not regulated. CERCLA Hazardous Substa	nce List (40 CFR 302.4)
Acetone (CAS 67-64-1)	Listed.
SARA 304 Emergency released	se notification
Not regulated.	
OSHA Specifically Regulate	d Substances (29 CFR 1910.1001-1050)
Not regulated.	
Superfund Amendments and Re	authorization Act of 1986 (SARA)
Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No
SARA 302 Extremely hazard	lous substance
Not listed.	
SARA 311/312 Hazardous chemical	No
SARA 313 (TRI reporting) Not regulated.	

Other federal regulations		
Clean Air Act (CAA) Sectior	n 112 Hazardous Air Pollutan	ts (HAPs) List
Not regulated.		
Clean Air Act (CAA) Sectior	n 112(r) Accidental Release P	Prevention (40 CFR 68.130)
Butane (CAS 106-97-8)		
Propane (CAS 74-98-6)		
Safe Drinking Water Act (SDWA)	Not regulated.	
Drug Enforcement Adm Chemical Code Numbe		sential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and
Acetone (CAS 67-64	4-1)	6532
		Exempt Chemical Mixtures (21 CFR 1310.12(c))
Acetone (CAS 67-64	4-1)	35 %WV
DEA Exempt Chemical	Mixtures Code Number	
Acetone (CAS 67-64	4-1)	6532
US state regulations		
US. California Controlled S	ubstances. CA Department o	f Justice (California Health and Safety Code Section 11100)
Not listed.		
US. California. Candidate C (a))	hemicals List. Safer Consum	ner Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.
Acetone (CAS 67-64-1)		
Butane (CAS 106-97-8)		
US. Massachusetts RTK - S	Substance List	
Acetone (CAS 67-64-1)		
Butane (CAS 106-97-8)		
Propane (CAS 74-98-6)	d Community Right-to-Know	Act
Acetone (CAS 67-64-1)		Act
Butane (CAS 106-97-8)		
Propane (CAS 74-98-6)		
• • • •	nd Community Right-to-Know	N Law
Acetone (CAS 67-64-1)		
Butane (CAS 106-97-8)		

Butane (CAS 106-97-8) Propane (CAS 74-98-6)

US. Rhode Island RTK

Acetone (CAS 67-64-1) Butane (CAS 106-97-8) Propane (CAS 74-98-6)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No

Country(s) or region Inventory name

Yes

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	02-14-2019
Version #	01
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 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.
Revision information	Product and Company Identification: Alternate Trade Names