

SAFETY DATA SHEET

1. Identification

Product identifier 24-7 Fire Dog Full Time Deodorant

Other means of identification

Product # J11247FD

Recommended use Deodorant.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Wayne Concept

Address 5005 Speedway Dr.
Fort Wayne, IN 46825
United States

Telephone Main 1-260-482-8615
Toll free 1-800-589-8615

Emergency phone number Infotrac (US & Canada) 1-800-535-5053

2. Hazard(s) identification

Physical hazards Flammable liquids Category 3

Health hazards Acute toxicity, oral Category 4
Acute toxicity, dermal Category 4
Acute toxicity, inhalation Category 4
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2
Sensitization, skin Category 1
Reproductive toxicity Category 2

Environmental hazards Hazardous to the aquatic environment, acute hazard Category 1
Hazardous to the aquatic environment, long-term hazard Category 1

OSHA defined hazards Not classified.

Label elements



Signal word Warning

Hazard statement

Flammable liquid and vapor. Harmful if swallowed. Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. Suspected of damaging fertility or the unborn child. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. Avoid breathing mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear eye protection/face protection. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If swallowed: Call a poison center/doctor if you feel unwell. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Rinse mouth. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish. Collect spillage.

Storage

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

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

35.98% of the mixture consists of component(s) of unknown acute oral toxicity. 88.04% of the mixture consists of component(s) of unknown acute dermal toxicity. 77.87% of the mixture consists of component(s) of unknown acute inhalation toxicity. 73.46% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 63.82% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Benzaldehyde	100-52-7	10 - < 20*
Orange oil	8008-57-9	10 - < 20*
alpha-Terpineol	98-55-5	3 - < 5*
alpha-Terpineol acetate	80-26-2	3 - < 5*
Benzyl alcohol .	100-51-6	3 - < 5*
Isobornyl acetate	125-12-2	3 - < 5*
Pentyl acetate	628-63-7	3 - < 5*
Benzyl acetate	140-11-4	1 - < 3*
Diethyl phthalate	84-66-2	1 - < 3*
alpha-Amylcinnamaldehyde .	122-40-7	< 1*
alpha-isoMethyl ionone .	127-51-5	< 1*
Coumarin .	91-64-5	< 1*
dl-Citronellol .	106-22-9	< 1*
Ethyl acetate	141-78-6	< 1*
Lemongrass oil	8007-02-1	< 1*
Vanillin	121-33-5	< 1*
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	54464-57-2	< 0.3*
2-(4-tert-butylbenzyl)propionaldehyde .	80-54-6	< 0.3*
Cedarwood oil, Virginian	8000-27-9	< 0.3*
Benzyl salicylate .	118-58-1	< 0.2*
Piperonal	120-57-0	< 0.2*

Chemical name	CAS number	%
Diphenyl ether	101-84-8	< 0.1*
Other components below reportable levels		40 - < 50

*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. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/attention if you feel unwell. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
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	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Flammable liquid and vapor.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors and spray mists. 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.
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Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid inhalation of vapors and spray mists. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Diphenyl ether (CAS 101-84-8)	PEL	7 mg/m3	Vapor.
Ethyl acetate (CAS 141-78-6)	PEL	1 ppm 1400 mg/m3	Vapor.
Pentyl acetate (CAS 628-63-7)	PEL	400 ppm 525 mg/m3 100 ppm	

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Benzyl acetate (CAS 140-11-4)	TWA	10 ppm	
Diethyl phthalate (CAS 84-66-2)	TWA	5 mg/m3	
Diphenyl ether (CAS 101-84-8)	STEL	2 ppm	Vapor.
Ethyl acetate (CAS 141-78-6)	TWA	1 ppm 400 ppm	Vapor.
Pentyl acetate (CAS 628-63-7)	STEL	100 ppm	
	TWA	50 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Diethyl phthalate (CAS 84-66-2)	TWA	5 mg/m ³	
Diphenyl ether (CAS 101-84-8)	TWA	7 mg/m ³	Vapor.
Ethyl acetate (CAS 141-78-6)	TWA	1 ppm 1400 mg/m ³	Vapor.
Pentyl acetate (CAS 628-63-7)	TWA	400 ppm 525 mg/m ³ 100 ppm	

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
Benzaldehyde (CAS 100-52-7)	STEL	17.4 mg/m ³
	TWA	4 ppm 8.7 mg/m ³ 2 ppm
Benzyl alcohol . (CAS 100-51-6)	TWA	44.2 mg/m ³
Vanillin (CAS 121-33-5)	TWA	10 ppm 10 mg/m ³

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection**Hand protection**

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection

Chemical respirator with organic vapor cartridge and full facepiece.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke. Keep away from food and drink. 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 not be allowed out of the workplace.

9. Physical and chemical properties**Appearance**

Tan to brown.

Physical state

Oily solid.

Form

Solid.

Color

Tan to brown.

Odor

Fruity.

Odor threshold

Not available.

pH

Not available.

Melting point/freezing point

-14.8 °F (-26 °C) estimated

Initial boiling point and boiling range

427.84 °F (219.91 °C) estimated

Flash point

126.0 °F (52.2 °C)

Evaporation rate

Not available.

Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	0.068 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	NO
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	377 °F (191.67 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	8.28 lbs/gal estimated
Explosive properties	Not explosive.
Hydrocarbons percent	Not determined
Oxidizing properties	Not oxidizing.
Refractive index	1.4657 - 1.4707
Specific gravity	0.949 - 0.989
VOC (Weight %)	Not determined

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	Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Harmful if inhaled.
Skin contact	Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.
Ingestion	Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity	Harmful if inhaled. Harmful in contact with skin. Harmful if swallowed. May cause an allergic skin reaction.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization 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

Benzyl acetate (CAS 140-11-4)

3 Not classifiable as to carcinogenicity to humans.

Coumarin . (CAS 91-64-5)

3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Components		Species	Test Results
2-(4-tert-butylbenzyl)propionaldehyde . (CAS 80-54-6)			
Benzaldehyde (CAS 100-52-7)			
Aquatic			
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	0.8 - 1.44 mg/l, 96 hours
Coumarin . (CAS 91-64-5)			
Aquatic			
Fish	LC50	Guppy (<i>Poecilia reticulata</i>)	32 - 100 mg/l, 96 hours
Vanillin (CAS 121-33-5)			
Aquatic			
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	53 - 61.3 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)

alpha-Terpineol	2.98
Benzaldehyde	1.48
Benzyl acetate	1.96
Benzyl alcohol .	1.1
Coumarin .	1.39
Diethyl phthalate	2.47
Diphenyl ether	4.21
Ethyl acetate	0.73
Pentyl acetate	2.3
Piperonal	1.05
Vanillin	1.37

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. 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.

14. Transport information

DOT

Not Regulated

15. Regulatory information

US federal regulations

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

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Diethyl phthalate (CAS 84-66-2) Listed.

Ethyl acetate (CAS 141-78-6) Listed.

Pentyl acetate (CAS 628-63-7) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986(SARA)

Hazard categories

Immediate Hazard - Yes

Delayed Hazard - Yes

Fire Hazard - Yes

Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Benzaldehyde (CAS 100-52-7)	50 %WV
Piperonal (CAS 120-57-0)	20 %WV

DEA Exempt Chemical Mixtures Code Number

Benzaldehyde (CAS 100-52-7)	8256
Piperonal (CAS 120-57-0)	8750

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Piperonal (CAS 120-57-0)

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Diethyl phthalate (CAS 84-66-2)

US. Massachusetts RTK - Substance List

Benzaldehyde (CAS 100-52-7)
Benzyl alcohol . (CAS 100-51-6)
Diethyl phthalate (CAS 84-66-2)
Diphenyl ether (CAS 101-84-8)
Ethyl acetate (CAS 141-78-6)
Pentyl acetate (CAS 628-63-7)

US. New Jersey Worker and Community Right-to-Know Act

Benzaldehyde (CAS 100-52-7)
Benzyl acetate (CAS 140-11-4)
Diethyl phthalate (CAS 84-66-2)
Diphenyl ether (CAS 101-84-8)
Ethyl acetate (CAS 141-78-6)
Pentyl acetate (CAS 628-63-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Benzaldehyde (CAS 100-52-7)
Benzyl alcohol . (CAS 100-51-6)
Diethyl phthalate (CAS 84-66-2)
Diphenyl ether (CAS 101-84-8)
Ethyl acetate (CAS 141-78-6)
Pentyl acetate (CAS 628-63-7)

US. Rhode Island RTK

Diethyl phthalate (CAS 84-66-2)
Ethyl acetate (CAS 141-78-6)
Pentyl acetate (CAS 628-63-7)

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 or exempt (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
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*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 on the inventory administered by the governing country(s).

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

Issue date 04/24/17
Version # 01
HMIS® ratings Health: 1
Flammability: 1
Physical hazard: 0
Personal protection: B
NFPA ratings Health: 1
Flammability: 1
Instability: 0

NFPA ratings



Disclaimer

Wayne Concept cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.