

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: odor_x® Bad Odor Block Apple
Product code: LG-F1005
Recommended Use: Deodorizer

Supplier ProRestore Products
1016 Greentree Road, Suite 115
Pittsburgh, PA 15220
Phone: (412) 264-8340

Emergency telephone number
INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. Hazards Identification

2.1 Classification of the substance or mixture

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

Classification according to GHS Regulation (EC) No 1272/2008

Classification according to GHS Regulation (EC) No 1272/2008

Flammable Liquids, Category 4
Skin Corrosion/Irritation, Category 3
Sensitization, Skin, Category 1B
Eye Damage/Eye Irritation, Category 2A
Acute Toxicity Inhalation, Category 4
Aquatic Acute Toxicity, Category 2
Aquatic Chronic Toxicity, Category 3

H227: Combustible liquid
H316: Causes mild skin irritation
H317: May cause an allergic skin reaction
H319: Causes serious eye irritation
H332: Harmful if inhaled
H401: Toxic to aquatic life
H412: Harmful to aquatic life with long lasting effects

Classification OSHA (Provisions 1910.1200 of title 29)

Flammability Class IIIA
Acute Dermal/Eye 12 :
15:
Acute Inhalation 23:
25 :

Acute Oral 2 :
Reproductive/Developmental 39 :
Sensitization/Allergic Response 31 :
Target Organ Effects 26 :

Combustible Liquid
Causes moderate skin irritation.
May cause eye irritation.
May cause respiratory tract irritation.
Inhalation at high levels may cause: tremors, labored breathing, hypothermia, lethargy, ataxia.
Harmful if swallowed
Causes reproductive/developmental toxicity in animals.
May cause allergic skin reaction.
Prolonged or repeated ingestion may cause damage to: kidneys, stomach, brain, tongue, mucous membranes, musculo-skeletal system.
This mixture contains ingredients identified as carcinogens, at 0.1% or greater, by the following:
None [X] ACGIH [] IARC [] NTP [] OSHA []

Carcinogenicity

2.2 Label elements



Signal Word: Warning

Hazard statements

H227 Combustible liquid
H316 Causes mild skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H332 Harmful if inhaled
H401 Toxic to aquatic life
H412 Harmful to aquatic life with long lasting effects

Precautionary Statements

Prevention:

P235 Keep cool
 P264 Wash hands thoroughly after handling
 P271 Use only outdoors or in a well-ventilated area
 P272 Contaminated work clothing should not be allowed out of the workplace
 P273 Avoid release to the environment

Response:

P302 + P352 IF ON SKIN: Wash with soap and water
 P304 + P312 + P340 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses if present and easy to do. continue rinsing
 P333 + P313 If skin irritation or a rash occurs: Get medical advice/attention
 P337 + P313 If eye irritation persists: Get medical advice/attention
 P363 Wash contaminated clothing before reuse
 P370 + P378 In case of fire: Use Carbon dioxide (CO2), Dry chemical, or Foam for extinction. Do not use a direct water jet on burning material

2.3 Other Hazards
 no data available

3. Composition/Information on Ingredients

3.1 Mixtures

This product is a complex mixture of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS):

Liquid components embedded in wood fiber substrate.

CAS# Ingredient	EC#	Conc. Range	GHS Classification	OSHA Classification
105-53-3 <i>Diethyl malonate</i>	203-305-9	5 - 10 %	H227; H316; H319	
140-11-4 <i>Benzyl acetate</i>	205-399-7	5 - 10 %	H227; H303; H316; H401	15, 25, 26, 31, 39
98-55-5 <i>alpha-Terpineol</i>	202-680-6	2 - 5 %	H227; H303; H315; H319; H401	11, 15, 23
141-97-9 <i>Ethyl acetoacetate</i>	205-516-1	2 - 5 %	H227; H303; H316	
88-41-5 <i>2-t-Butylcyclohexyl acetate</i>	201-828-7	1 - 2 %	H227; H303; H316; H401; H411	12, 2
142-19-8 <i>Allyl heptanoate</i>	205-527-1	1 - 2 %	H227; H301; H311; H316; H331; H400; H412	11, 15, 3
77-83-8 <i>Ethyl methylphenylglycidate</i>	201-061-8	1 - 2 %	H317; H401; H411	11, 15
80-54-6 <i>Butylphenyl Methylpropional</i>	201-289-8	0.1 - 1.0 %	H302; H315; H361; H401; H411	11, 15, 26, 28, 3, 31, 39

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 0.00

4. First Aid Measures

4. First Aid Measures

4.1 Description of first aid measures

Inhalation: Remove from exposure site to fresh air and keep at rest. Obtain medical advice.

Eye Exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

Skin Exposure: Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.

Ingestion: Rinse mouth with water and obtain medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: no data available

Risks: Refer to Section 2.2 "Hazard Statements"

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Refer to Section 2.2 "Response"

5. Fire-Fighting measures

5.1 Extinguishing media

Suitable: Carbon dioxide (CO2), Dry chemical, Foam

Unsuitable Do not use a direct water jet on burning material

5.2 Special hazards arising from the substance or mixture

During fire fighting: Water may be ineffective

5.3 Advice for firefighters

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

6.2 Environmental precautions

Keep away from drains, soil, and surface and groundwater.

6.3 Methods and materials for containment and cleaning up

Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

6.4 Reference to other sections

Not Applicable

7. Handling and Storage

7.1 Precautions for safe handling

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Avoid plastic and uncoated metal container. Keep air contact to a minimum.

7.3 Specific end uses

No information available

8. Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits:

Component	ACGIH (TWA ppm)	ACGIH (STEL ppm)	OSHA (TWA ppm)	OSHA (STEL ppm)
140-11-4 Benzyl acetate	10			

Engineering Controls: Use local exhaust as needed.

8.2 Exposure controls - Personal protective equipment

Eye protection: Tightly sealed goggles, face shield, or safety glasses with brow guards and side shields, etc. as may be appropriate for the exposure

Respiratory protection: Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.

Skin protection: Avoid Skin contact. Use chemically resistant gloves as needed.

9. Physical and Chemical Properties

Physical state: Liquid impregnated fiber block	Odor and appearance: Brown colored fiber block, odor: apple	
Solubility in water: insoluble	Vapor pressure (mm Hg): 0.6687	Vapor density (Air=1): not available
Evaporation (butyl acetate = 1) not available	Flash point: 160 F (71.11 C)	VOC: 8%
Flammability limits in air, lower, % by volume: 40 g/m3 for wood dust	Auto-ignition temperature: 399.2 - 500 °F (204.4 - 260 °C) for wood	

10. Stability and Reactivity

10.1 Reactivity None

10.2 Chemical stability Stable

10.3 Possibility of hazardous reactions None known

10.4 Conditions to avoid None known

10.5 Incompatible materials Strong oxidizing agents, strong acids, and alkalis

10.6 Hazardous decomposition products None known

11. Toxicological Information

Acute Toxicity Estimates (ATEs) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"

Acute toxicity - Oral - (Rat) mg/kg (LD50: 5,208.33) Not classified - the classification criteria are not met

Acute toxicity - Dermal - (Rabbit) mg/kg (LD50: 9,345.79) Not classified - the classification criteria are not met

Acute toxicity - Inhalation - (Rat) mg/L/4hr (LC50: 19.04) Harmful if inhaled

Skin corrosion / irritation Causes mild skin irritation

Serious eye damage / irritation Causes serious eye irritation

Respiratory sensitization Not classified - the classification criteria are not met

Skin sensitization May cause an allergic skin reaction

Germ cell mutagenicity Not classified - the classification criteria are not met
Carcinogenicity Not classified - the classification criteria are not met
Reproductive toxicity Not classified - the classification criteria are not met
Specific target organ toxicity - single exposure Not classified - the classification criteria are not met
Specific target organ toxicity - repeated exposure Not classified - the classification criteria are not met
Aspiration hazard Not classified - the classification criteria are not met

12. Ecological Information

12.1 Toxicity

Acute aquatic toxicity Toxic to aquatic life
Chronic aquatic toxicity Harmful to aquatic life with long lasting effects
Toxicity Data on soil no data available
Toxicity on other organisms no data available
12.2 Persistence and degradability no data available
12.3 Bioaccumulative potential no data available
12.4 Mobility in soil no data available
12.5 Other adverse effects no data available

13. Disposal Considerations

13.1 Waste treatment methods

Do not allow product to reach sewage systems. Dispose of in accordance with all local and national regulations. Send to a licensed waste management company. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

14. Transport Information

<u>DOT</u>	Not regulated
<u>IMDG</u>	Not regulated
<u>IATA</u>	Not regulated

15. Regulatory Information

U.S. Federal Regulations:

TSCA (Toxic Substance Control Act): TSCA status undetermined

40 CFR(EPCRA, SARA, CERCLA and CAA) This product contains NO components of concern.

U.S. State Regulations:

California Proposition 65 Warning No Warning required

Canadian Regulations:

DSL / NDSL 100.00% of the components are listed or exempt.

144020-22-4 482-330-9 <= 0 ppm Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododec

16. Other Information

GHS H-Statements referred to under section 3

Total Fractional Values

(TFV) Risk	(TFV) Risk
(2.60) Skin Corrosion/Irritation, Category 3	(1.18) Sensitization, Skin, Category 1B
(1.61) Eye Damage/Eye Irritation, Category 2A	(1.91) Aquatic Acute Toxicity, Category 2
(5.78) Aquatic Chronic Toxicity, Category 3	

Disclaimer

The information provided on this MSDS 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 Material Safety Data Sheet

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: odor_x® Bad Odor Block Cherry
Product code: LG-F1007
Recommended Use: Deodorizer

Supplier ProRestore Products
1016 Greentree Road, Suite 115
Pittsburgh, PA 15220
Phone: (412) 264-8340

Emergency telephone number INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. Hazards Identification

2.1 Classification of the substance or mixture

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

Classification according to GHS Regulation (EC) No 1272/2008

Flammable Liquids, Category 3	H226: Flammable liquid and vapor
Acute Toxicity Oral, Category 5	H303: May be harmful if swallowed
Acute Toxicity Dermal, Category 5	H313: May be harmful in contact with skin
Skin Corrosion/Irritation, Category 3	H316: Causes mild skin irritation
Sensitization, Skin, Category 1A	H317: May cause an allergic skin reaction
Eye Damage/Eye Irritation, Category 2A	H319: Causes serious eye irritation
Acute Toxicity Inhalation, Category 4	H332: Harmful if inhaled
Aquatic Acute Toxicity, Category 2	H401: Toxic to aquatic life
Aquatic Chronic Toxicity, Category 3	H412: Harmful to aquatic life with long lasting effects

Classification OSHA (Provisions 1910.1200 of title 29)

Flammability	Class II Flammable Liquid
Acute Dermal/Eye	10 : May be harmful if absorbed through the skin. 12 : Causes moderate skin irritation. 16 : Causes eye irritation.
Acute Inhalation	21 : Harmful if inhaled. 24 : Causes respiratory tract irritation. 25 : Inhalation at high levels may cause: difficulty in breathing, drowsiness, tremors, labored breathing, hypothermia, lethargy, ataxia.
Acute Oral	3 : May be harmful if swallowed or if aspirated into the lungs
Genotoxicity	36 : Suspected of causing genetic defects
Reproductive/Developmental	39 : Causes reproductive/developmental toxicity in animals.
Sensitization/Allergic Response	31 : May cause allergic skin reaction.
Target Organ Effects	26 : Prolonged or repeated ingestion may cause damage to: kidneys, liver, thymus gland, stomach, testes, brain, tongue, mucous membranes, musculo-skeletal system. 27 : Prolonged or repeated inhalation may cause damage to: liver, spleen, blood, heart, lungs, hematopoietic system, nervous system. 28 : Prolonged or repeated Dermal Exposure may cause damage to: kidneys, liver, brain
Carcinogenicity	This mixture contains ingredients identified as carcinogens, at 0.1% or greater, by the following: None [X] ACGIH [] IARC [] NTP [] OSHA []

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)
Hazard pictograms



Signal Word: Warning

Hazard statements

H226	Flammable liquid and vapor
H303	May be harmful if swallowed
H313	May be harmful in contact with skin
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H401	Toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects

Precautionary Statements

Prevention:

P233	Keep container tightly closed
P235	Keep cool
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light.../equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P264	Wash hands thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment

Response:

P302 + P352	IF ON SKIN: Wash with soap and water
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing Rinse skin with water/shower
P304 + P312 + P340	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses if present and easy to do. continue rinsing
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P333 + P313	If skin irritation or a rash occurs: Get medical advice/attention
P337 + P313	If eye irritation persists: Get medical advice/attention
P352	Wash with soap and water
P363	Wash contaminated clothing before reuse
P370 + P378	In case of fire: Use Carbon dioxide (CO2), Dry chemical, or Foam for extinction. Do not use a direct water jet on burning material

2.3 Other Hazards

no data available

3. Composition/Information on Ingredients

3.1 Mixtures

This product is a complex mixture of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS):

Liquid components embedded in wood fiber substrate.

CAS# Ingredient	EC#	Conc. Range	GHS Classification	OSHA Classification
100-52-7 <i>Benzaldehyde</i>	202-860-4	10 - 20 %	H227; H302; H316; H319; H332; H335; H401	10, 11, 15, 23, 25, 26, 3, 31, 36, 39
8050-15-5 <i>Methyl ester of rosin (partially hydrogenated)</i>	232-476-2	10 - 20 %	H402; H412	31
93-04-9 <i>2-Methoxynaphthalene (beta-Naphthyl methyl ether, Nerolin, Yara Yara)</i>	202-213-6	2 - 5 %	H302; H401	3
628-63-7 <i>Amyl Acetate</i>	211-047-3	2 - 5 %	H226	
140-11-4 <i>Benzyl acetate</i>	205-399-7	2 - 5 %	H227; H303; H316; H401	15, 25, 26, 31, 39
121-33-5 <i>Vanillin</i>	204-465-2	2 - 5 %	H303; H319	31
98-55-5 <i>alpha-Terpineol</i>	202-680-6	1 - 2 %	H227; H303; H315; H319; H401	11, 15, 23
8008-57-9 <i>Citrus aurantium dulcis (Orange) oil</i>	232-433-8	1 - 2 %	H226; H304; H315; H400; H410	12, 3, 31
101-84-8 <i>Diphenyl Ether</i>	202-981-2	1 - 2 %	H303; H320; H401; H411	12, 15, 21, 27, 28
141-78-6 <i>Ethyl acetate</i>	205-500-4	1 - 2 %	H225; H319; H336	16, 24, 25, 27
106-30-9 <i>Ethyl heptanoate</i>	203-382-9	1 - 2 %	H226; H316	12
104-55-2 <i>Cinnamal</i>	203-213-9	0.1 - 1.0 %	H303; H312; H315; H317; H319; H401	10, 12, 16, 26, 31, 36

See Section 16 for full text of GHS classification codes

4. First Aid Measures

4.1 Description of first aid measures

Inhalation: Remove from exposure site to fresh air and keep at rest. Obtain medical advice.

Eye Exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

Skin Exposure: Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.

Ingestion: Rinse mouth with water and obtain medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: no data available

Risks: Refer to Section 2.2 "Hazard Statements"

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Refer to Section 2.2 "Response"

5. Fire-Fighting measures

5.1 Extinguishing media

Suitable: Carbon dioxide (CO₂), Dry chemical, Foam

Unsuitable Do not use a direct water jet on burning material

5.2 Special hazards arising from the substance or mixture

During fire fighting: Water may be ineffective

5.3 Advice for firefighters

Further information: Standard procedure for chemical fires

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

6.2 Environmental precautions

Keep away from drains, soil, and surface and groundwater.

6.3 Methods and materials for containment and cleaning up

Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

6.4 Reference to other sections

Not Applicable

7. Handling and Storage

7.1 Precautions for safe handling

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Avoid plastic and uncoated metal container. Keep air contact to a minimum.

7.3 Specific end uses

No information available

8. Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits:

Component	ACGIH (TWA ppm)	ACGIH (STEL ppm)	OSHA (TWA ppm)	OSHA (STEL ppm)
628-63-7 <i>Amyl acetate</i>	50	100	100	
140-11-4 <i>Benzyl acetate</i>	10			
101-84-8 <i>Diphenyl Ether</i>			1	
141-78-6 <i>Ethyl acetate</i>	400		400	

Engineering Controls: Use local exhaust as needed.

8.2 Exposure controls - Personal protective equipment

Eye protection: Tightly sealed goggles, face shield, or safety glasses with brow guards and side shields, etc. as may be appropriate for the exposure

Respiratory protection: Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.

Skin protection: Avoid Skin contact. Use chemically resistant gloves as needed.

9. Physical and Chemical Properties

Physical state	Odor and appearance
----------------	---------------------

Liquid impregnated fiber block	Brown colored fiber block, odor: cherry	
Solubility in water insoluble	Vapor pressure (mm Hg) 2.2979	Vapor density (Air=1) not available
Evaporation (butyl acetate = 1) not available	Flash point 134 F (56.67 C)	% VOC 16%
Flammability limits in air, lower, % by volume 40 g/m3 for wood dust	Auto-ignition temperature 399.2 - 500 °F (204.4 - 260 °C) for wood	

10. Stability and Reactivity

10.1 Reactivity None

10.2 Chemical stability Stable

10.3 Possibility of hazardous reactions None known

10.4 Conditions to avoid None known

10.5 Incompatible materials Strong oxidizing agents, strong acids, and alkalis

10.6 Hazardous decomposition products None known

11. Toxicological Information

11.1 Toxicological Effects

Acute Toxicity Estimates (ATES) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"

Acute toxicity - Oral - (Rat) mg/kg (LD50: 3,496.50) May be harmful if swallowed

Acute toxicity - Dermal - (Rabbit) mg/kg (LD50: 4,682.43) May be harmful in contact with skin

Acute toxicity - Inhalation - (Rat) mg/L/4hr (LC50: 17.12) Harmful if inhaled

Skin corrosion / irritation Causes mild skin irritation

Serious eye damage / irritation Causes serious eye irritation

Respiratory sensitization Not classified - the classification criteria are not met

Skin sensitization May cause an allergic skin reaction

Germ cell mutagenicity Not classified - the classification criteria are not met

Carcinogenicity Not classified - the classification criteria are not met

Reproductive toxicity Not classified - the classification criteria are not met

Specific target organ toxicity - single exposure Not classified - the classification criteria are not met

Specific target organ toxicity - repeated exposure Not classified - the classification criteria are not met

Aspiration hazard Not classified - the classification criteria are not met

12. Ecological Information

12.1 Toxicity

Acute aquatic toxicity Toxic to aquatic life

Chronic aquatic toxicity Harmful to aquatic life with long lasting effects

Toxicity Data on soil no data available

Toxicity on other organisms no data available

12.2 Persistence and degradability no data available

12.3 Bioaccumulative potential no data available

12.4 Mobility in soil no data available

12.5 Other adverse effects no data available

13.1 Waste treatment methods

Do not allow product to reach sewage systems. Dispose of in accordance with all local and national regulations. Send to a licensed waste management company. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

14. Transport Information

DOT

Proper shipping name Limited quantity

IMDG

Proper shipping name 3175 - Solids containing flammable liquid, n.o.s (EXTRACTS, AROMATIC, LIQUID)
 Hazard class 4.1
 UN Number UN3175
 Packing Group II
 EmS No. F-A, S-I

15. Regulatory Information

U.S. Federal Regulations:

TSCA (Toxic Substance Control Act): All components of the substance/mixture are listed or exempt

40 CFR (EPCRA, SARA, CERCLA and CAA) This product contains the following components:
628-63-7 211-047-3 2 - 5 % Amyl Acetate
141-78-6 205-500-4 1 - 2 % Ethyl acetate

U.S. State Regulations:

California Proposition 65 Warning This product contains the following components:
94-59-7 202-345-4 <= 4 ppm Safrole (NFS)
93-15-2 202-223-0 <= 2 ppm Methyl Eugenol (NFS)

Canadian Regulations:

DSL / NDSL 100.00% of the components are listed or exempt.

16. Other Information

GHS H-Statements referred to under section 3

Total Fractional Values

(TFV) Risk	(TFV) Risk
(3.13) Skin Corrosion/Irritation, Category 3	(5.00) Sensitization, Skin, Category 1A
(2.96) Eye Damage/Eye Irritation, Category 2A	(2.24) Aquatic Acute Toxicity, Category 2
(9.74) Aquatic Chronic Toxicity, Category 3	

Disclaimer

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End of Material Safety Data Sheet

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: odor_x® Bad Odor Block Orange
Product code: LG-F1098
Recommended Use: Deodorizer

Supplier ProRestore Products
1016 Greentree Road, Suite 115
Pittsburgh, PA 15220
Phone: (412) 264-8340

Emergency telephone number
INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. Hazards Identification

2.1 Classification of the substance or mixture

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

2.1 Classification of the substance or mixture

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

Classification according to GHS Regulation (EC) No 1272/2008

Flammable Liquids, Category 3	H226: Flammable liquid and vapor
Acute Toxicity Oral, Category 5	H303: May be harmful if swallowed
Aspiration Hazard, Category 1	H304: May be fatal if swallowed and enters airways
Acute Toxicity Dermal, Category 5	H313: May be harmful in contact with skin
Skin Corrosion/Irritation, Category 2	H315: Causes skin irritation
Acute Toxicity Inhalation, Category 5	H333: May be harmful if inhaled
Aquatic Chronic Toxicity, Category 1	H410: Very toxic to aquatic life with long lasting effects

Classification OSHA (Provisions 1910.1200 of title 29)

Flammability Class II	Flammable Liquid
Acute Dermal/Eye 12 :	Causes skin irritation.
Acute Oral 3 :	May be harmful if swallowed or if aspirated into the lungs
Sensitization/Allergic Response 31 :	May cause allergic skin reaction.
Carcinogenicity: This mixture contains ingredients identified as carcinogens, at 0.1% or greater, by the following	None [X] ACGIH [] IARC [] NTP [] OSHA []

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal Word: Danger

Hazard statements

H226 Flammable liquid and vapor
H303 May be harmful if swallowed
H304 May be fatal if swallowed and enters airways
H313 May be harmful in contact with skin
H315 Causes skin irritation
H333 May be harmful if inhaled
H410 Very toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention:

P233 Keep container tightly closed
P235 Keep cool
P240 Ground/bond container and receiving equipment

P241 Use explosion-proof electrical/ventilating/light/.../equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P264 Wash hands thoroughly after handling
P273 Avoid release to the environment

Response:

P301 + P310 + P331 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do NOT induce vomiting.
P302 + P352 IF ON SKIN: Wash with soap and water
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing Rinse skin with water/shower
P304 + P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell
P312 Call a POISON CENTER or doctor/physician if you feel unwell
P332 + P313 If skin irritation occurs: Get medical advice/attention
P352 Wash with soap and water
P362 Take off contaminated clothing and wash before reuse
P370 + P378 In case of fire: Use Carbon dioxide (CO2), Dry chemical, or Foam for extinction. Do not use a direct water jet on burning material
P391 Collect Spillage

2.3 Other Hazards
no data available

3. Composition/Information on Ingredients

3.1 Mixtures

This product is a complex mixture of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS):

Liquid components embedded in wood fiber substrate.

CAS# Ingredient	EC#	Conc. Range	GHS Classification	OSHA Classification
8008-57-9 <i>Citrus aurantium dulcis (Orange) oil</i>	232-433-8	> 80 %	H226; H304; H315; H400; H410	12, 3, 31

4. First Aid Measures

4.1 Description of first aid measures

Inhalation: Remove from exposure site to fresh air and keep at rest. Obtain medical advice.

Eye Exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

Skin Exposure: Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.

Ingestion: Rinse mouth with water and obtain medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: no data available

Risks: Refer to Section 2.2 "Hazard Statements"

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Refer to Section 2.2 "Response"

5. Fire-Fighting measures

5.1 Extinguishing media

Suitable: Carbon dioxide (CO2), Dry chemical, Foam

Unsuitable Do not use a direct water jet on burning material

5.2 Special hazards arising from the substance or mixture

During fire fighting: Water may be ineffective

5.3 Advice for firefighters

Further information: Standard procedure for chemical fires

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

6.2 Environmental precautions

Keep away from drains, soil, and surface and groundwater.

6.3 Methods and materials for containment and cleaning up

Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

6.4 Reference to other sections

Not Applicable

7. Handling and Storage

7.1 Precautions for safe handling

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Avoid plastic and uncoated metal container. Keep air contact to a minimum.

7.3 Specific end uses

No information available

8. Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits: Contains no substances with occupational exposure limit values

Engineering Controls: Use local exhaust as needed.

8.2 Exposure controls - Personal protective equipment

Eye protection: Tightly sealed goggles, face shield, or safety glasses with brow guards and side shields, etc. as may be appropriate for the exposure

Respiratory protection: Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.

Skin protection: Avoid Skin contact. Use chemically resistant gloves as needed.

9. Physical and Chemical Properties

Physical state Liquid impregnated fiber block	Odor and appearance Brown colored fiber block, odor: orange	
Solubility in water insoluble	Vapor pressure (mm Hg) 0.9	Vapor density (Air=1) not available
Evaporation (butyl acetate = 1) not available	Flash point 118 F (47.78 C)	VOC: 50%
Flammability limits in air, lower, % by volume 40 g/m3 for wood dust	Auto-ignition temperature 399.2 - 500 °F (204.4 - 260 °C) for wood	

10. Stability and Reactivity

10.1 Reactivity None

10.2 Chemical stability Stable

10.3 Possibility of hazardous reactions None known

10.4 Conditions to avoid None known

10.5 Incompatible materials Strong oxidizing agents, strong acids, and alkalis

10.6 Hazardous decomposition products None known

11. Toxicological Information

Acute Toxicity Estimates (ATEs) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"

Acute toxicity - Oral - (Rat) mg/kg (LD50: 5,000.00) May be harmful if swallowed

Acute toxicity - Dermal - (Rabbit) mg/kg (LD50: 5,000.00) May be harmful in contact with skin

Acute toxicity - Inhalation - (Rat) mg/L/4hr (LC50: 20.01) May be harmful if inhaled

Skin corrosion / irritation Causes skin irritation

Serious eye damage / irritation Not classified - the classification criteria are not met

Respiratory sensitization Not classified - the classification criteria are not met

Skin sensitization Not classified - the classification criteria are not met

Germ cell mutagenicity Not classified - the classification criteria are not met

Carcinogenicity Not classified - the classification criteria are not met

Reproductive toxicity Not classified - the classification criteria are not met

Specific target organ toxicity - single exposure Not classified - the classification criteria are not met

Specific target organ toxicity - repeated exposure Not classified - the classification criteria are not met

Aspiration hazard May be fatal if swallowed and enters airways

12. Ecological Information

12.1 Toxicity

Acute aquatic toxicity Not classified - the classification criteria are not met

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

Toxicity Data on soil no data available

Toxicity on other organisms no data available

12.2 Persistence and degradability no data available

12.3 Bioaccumulative potential no data available

12.4 Mobility in soil no data available

12.5 Other adverse effects no data available

13. Disposal Considerations

Do not allow product to reach sewage systems. Dispose of in accordance with all local and national regulations. Send to a licensed waste management company. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

14. Transport Information

DOT

Proper shipping name Limited quantity

IMDG

Proper shipping name 3175 - Solids containing flammable liquid, n.o.s (EXTRACTS, AROMATIC, LIQUID)
Hazard class 4.1
UN Number UN3175
Packing Group II
EmS No. F-A, S-I

15. Regulatory Information

U.S. Federal Regulations:

TSCA (Toxic Substance Control Act): All components of the substance/mixture are listed or exempt

40 CFR (EPCRA, SARA, CERCLA and CAA) This product contains NO components of concern.

U.S. State Regulations:

California Proposition 65 Warning No Warning required

Canadian Regulations:

DSL / NDSL 100.00% of the components are listed or exempt.

16. Other Information

GHS H-Statements referred to under section 3

Total Fractional Values

Total Fractional Values

(TFV) Risk

(10.00) Aspiration Hazard, Category 1

(4.00) Aquatic Chronic Toxicity, Category 1

(TFV) Risk

(10.00) Skin Corrosion/Irritation, Category 2

Disclaimer

The information provided on this MSDS 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 Material Safety Data Sheet

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: odor_x® Bad Odor Block Vanilla
Product code: LG-F1019
Recommended Use: Deodorizer

Supplier ProRestore Products
1016 Greentree Road, Suite 115
Pittsburgh, PA 15220
Phone: (412) 264-8340

Emergency telephone number INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. Hazards Identification

2.1 Classification of the substance or mixture

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

Classification according to GHS Regulation (EC) No 1272/2008

Flammable Liquids, Category 4	H227: Combustible liquid
Skin Corrosion/Irritation, Category 2	H315: Causes skin irritation
Sensitization, Skin, Category 1B	H317: May cause an allergic skin reaction
Eye Damage/Eye Irritation, Category 2A	H319: Causes serious eye irritation
Acute Toxicity Inhalation, Category 5	H333: May be harmful if inhaled
Aquatic Chronic Toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects

Classification OSHA (Provisions 1910.1200 of title 29)

Flammability Class IIIA	Combustible Liquid
Acute Dermal/Eye 12 :	Causes moderate skin irritation.
15 :	May cause eye irritation.
9 :	Harmful if absorbed through the skin.
Acute Oral 2 :	Harmful if swallowed
Sensitization/Allergic Response 31 :	May cause allergic skin reaction.
Target Organ Effects 26 :	Prolonged or repeated ingestion may cause damage to: kidneys, liver, spleen, blood, bile duct.

Carcinogenicity This mixture contains ingredients identified as carcinogens, at 0.1% or greater, by the following:
None [X] ACGIH [] IARC [] NTP [] OSHA []

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

2.2 Label elements

Hazard pictograms



Signal Word: Warning

Hazard statements

H227 Combustible liquid
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H333 May be harmful if inhaled
H411 Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention:

P235 Keep cool
P264 Wash hands thoroughly after handling
P272 Contaminated work clothing should not be allowed out of the workplace
P273 Avoid release to the environment

Response:

P302 + P352 IF ON SKIN: Wash with soap and water
 P304 + P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses if present and easy to do. continue rinsing
 P333 + P313 If skin irritation or a rash occurs: Get medical advice/attention
 P337 + P313 If eye irritation persists: Get medical advice/attention
 P362 Take off contaminated clothing and wash before reuse
 P363 Wash contaminated clothing before reuse
 P370 + P378 In case of fire: Use Carbon dioxide (CO2), Dry chemical, or Foam for extinction. Do not use a direct water jet on burning material
 P391 Collect Spillage

2.3 Other Hazards
 no data available

3. Composition/Information on Ingredients

3.1 Mixtures

This product is a complex mixture of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS):

Liquid components embedded in wood fiber substrate.

CAS# Ingredient	EC#	Conc. Range	GHS Classification	OSHA Classification
104-21-2 <i>p-Anisyl acetate</i>	203-185-8	5 - 10 %	H303; H315; H319	12, 15
121-32-4 <i>Ethyl vanillin</i>	204-464-7	5 - 10 %	H303; H320; H402	
68647-72-3 <i>Citrus aurantium var. dulcis</i>	232-433-8	2 - 5 %	H226; H304; H315; H317; H400; H410	12, 3, 31
91-64-5 <i>Coumarin</i>	202-086-7	2 - 5 %	H302; H317; H402	12, 15, 2, 26, 31, 9
104-61-0 <i>gamma-Nonalactone</i>	203-219-1	2 - 5 %	H316	12, 15
121-33-5 <i>Vanillin</i>	204-465-2	1 - 2 %	H303; H319	31

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 4.65

4. First Aid Measures

4.1 Description of first aid measures

Inhalation: Remove from exposure site to fresh air and keep at rest. Obtain medical advice.

Eye Exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

Skin Exposure: Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.

Ingestion: Rinse mouth with water and obtain medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: no data available

Risks: Refer to Section 2.2 "Hazard Statements"

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Refer to Section 2.2 "Response"

5. Fire-Fighting measures

5.1 Extinguishing media

Suitable: Carbon dioxide (CO2), Dry chemical, Foam

Unsuitable Do not use a direct water jet on burning material

5.2 Special hazards arising from the substance or mixture

During fire fighting: Water may be ineffective

5.3 Advice for firefighters

Further information: Standard procedure for chemical fires

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

6.2 Environmental precautions

Keep away from drains, soil, and surface and groundwater.

6.3 Methods and materials for containment and cleaning up

Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

6.4 Reference to other sections

Not Applicable

7. Handling and Storage

7.1 Precautions for safe handling

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Avoid plastic and uncoated metal container. Keep air contact to a minimum.

7.3 Specific end uses

No information available

8. Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits: Contains no substances with occupational exposure limit values

Engineering Controls: Use local exhaust as needed.

8.2 Exposure controls - Personal protective equipment

Eye protection: Tightly sealed goggles, face shield, or safety glasses with brow guards and side shields, etc. as may be appropriate for the exposure

Respiratory protection: Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.

Skin protection: Avoid Skin contact. Use chemically resistant gloves as needed.

9. Physical and Chemical Properties

Physical state Liquid impregnated fiber block	Odor and appearance Brown colored fiber block, odor: Vanilla	
Solubility in water insoluble	Vapor pressure (mm Hg) 0.0799	Vapor density (Air=1) not available
Evaporation (butyl acetate = 1) not available	Flash point 165 F (73.89 C)	VOC: 3%
Flammability limits in air, lower, % by volume 40 g/m3 for wood dust	Auto-ignition temperature 399.2 - 500 °F (204.4 - 260 °C) for wood	

10. Stability and Reactivity

10.1 Reactivity None

10.2 Chemical stability Stable

10.3 Possibility of hazardous reactions None known

10.4 Conditions to avoid None known

10.5 Incompatible materials Strong oxidizing agents, strong acids, and alkalis

10.6 Hazardous decomposition products None known

11. Toxicological Information

11.1 Toxicological Effects

Acute Toxicity Estimates (ATEs) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"

Acute toxicity - Oral - (Rat) mg/kg (LD50: 5,128.21) Not classified - the classification criteria are not met

Acute toxicity - Dermal - (Rabbit) mg/kg (LD50: 5,181.35) Not classified - the classification criteria are not met

Acute toxicity - Inhalation - (Rat) mg/L/4hr (LC50: 23.20) May be harmful if inhaled

Skin corrosion / irritation Causes skin irritation

Serious eye damage / irritation Causes serious eye irritation

Respiratory sensitization Not classified - the classification criteria are not met

Skin sensitization May cause an allergic skin reaction

Germ cell mutagenicity Not classified - the classification criteria are not met

Carcinogenicity Not classified - the classification criteria are not met

Reproductive toxicity Not classified - the classification criteria are not met

Specific target organ toxicity - single exposure Not classified - the classification criteria are not met

Specific target organ toxicity - repeated exposure Not classified - the classification criteria are not met

Aspiration hazard Not classified - the classification criteria are not met

12. Ecological Information

12.1 Toxicity

Acute aquatic toxicity Not classified - the classification criteria are not met

Chronic aquatic toxicity Toxic to aquatic life with long lasting effects

Toxicity Data on soil no data available
Toxicity on other organisms no data available
12.2 Persistence and degradability no data available
12.3 Bioaccumulative potential no data available
12.4 Mobility in soil no data available
12.5 Other adverse effects no data available

13. Disposal Considerations

13.1 Waste treatment methods

Do not allow product to reach sewage systems. Dispose of in accordance with all local and national regulations. Send to a licensed waste management company. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

14. Transport Information

<u>DOT</u>	Not regulated
<u>IMDG</u>	Not regulated
<u>IATA</u>	Not regulated

15. Regulatory Information

U.S. Federal Regulations:

TSCA (Toxic Substance Control Act): All components of the substance/mixture are listed or exempt
40 CFR(EPCRA, SARA, CERCLA and CAA) This product contains NO components of concern.

U.S. State Regulations:

California Proposition 65 Warning No Warning required

Canadian Regulations:

DSL / NDSL 100.00% of the components are listed or exempt.

16. Other Information

GHS H-Statements referred to under section 3

Total Fractional Values

Total Fractional Values

(TFV) Risk

(1.11) Skin Corrosion/Irritation, Category 2

(1.79) Eye Damage/Eye Irritation, Category 2A

(TFV) Risk

(2.50) Sensitization, Skin, Category 1B

(1.88) Aquatic Chronic Toxicity, Category 2

Disclaimer

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End of Material Safety Data Sheet