

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

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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
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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