Revision Date 2/23/2016

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: odor$_X$ ® Bad Odor Block Lemon Lime
Product code: LG-F1013
Recommended Use: Deodorizer

Supplier
Legend Brands Europe
22 Plover Close Interchange Park
Newport Pagnell MK16 9PS, UK
+44 (0) 1908 611211

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
Aspiration Hazard, Category 1	H304: May be fatal if swallowed and enters airways
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
Aquatic Chronic Toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects

Classification OSHA (Provisions 1910.1200 of title 29)

Flammable Liquids, Category 4	H227: Combustible liquid
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2.2 Label elements

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



Signal Word: Danger

Hazard statements

H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
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:

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
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
68647-72-3 *Citrus aurantium var. dulcis*	232-433-8	10 - 20 %	H226; H304; H315; H317; H400; H410	12, 3, 31
8007-35-0 *Terpineol acetate*	232-357-5	5 - 10 %	H316; H401; H411	11
8008-57-9 *Citrus aurantium dulcis (Orange) oil*	232-433-8	5 - 10 %	H226; H304; H315; H400; H410	12, 3, 31
98-55-5 *alpha-Terpineol*	202-680-6	5 - 10 %	H227; H303; H315; H319; H401	11, 15, 23
106-25-2 *Nerol*	203-378-7	2 - 5 %	H303; H315; H317; H319; H402	15
68956-56-9 *Hydrocarbons, terpene processing by-products*	273-309-3	1 - 2 %	H226; H304; H315; H401; H411	12, 16, 23, 31
32210-23-4 *4-tert-Butylcyclohexyl acetate*	250-954-9	1 - 2 %	H303; H316; H317; H401; H411	11, 15
99-87-6 *p-Cymene*	202-796-7	1 - 2 %	H226; H303; H304; H316; H401; H411	11, 15
51566-62-2 *Citronellyl nitrile*	257-288-8	1 - 2 %	H227; H303; H402	
68855-99-2 *Litsea cubeba fruit oil*	290-018-7	1 - 2 %	H227; H411	12, 15, 31, 4

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 25.23

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: Lemon lime	
Solubility in water insoluble	Vapor pressure (mm Hg) 0.4406	Vapor density (Air=1) not available
Evaporation (butyl acetate = 1) not available	Flash point 147 F (63.89 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

Acute Toxicity Estimates (ATEs) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"
Acute toxicity - Oral - (Rat) mg/kg (LD50: 5,148.59) Not classified - the classification criteria are not met
Acute toxicity - Dermal - (Rabbit) mg/kg (LD50: 4,965.91) May be harmful in contact with skin
Acute toxicity - Inhalation - (Rat) mg/L/4hr (LC50: 27.10) 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 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 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

DOT	Not regulated
IMDG	Not regulated
IATA	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

(TFV) Risk	(TFV) Risk
(2.61) Aspiration Hazard, Category 1	(3.52) Skin Corrosion/Irritation, Category 2
(2.30) Sensitization, Skin, Category 1B	(2.11) Eye Damage/Eye Irritation, Category 2A
(9.41) Aquatic Chronic Toxicity, 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